



US00D661900S

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

(10) **Patent No.:** **US D661,900 S**  
(45) **Date of Patent:** **\*\* Jun. 19, 2012**

(54) **COLLAPSIBLE STRUCTURE**  
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Waukesha, WI (US)

1,181,829 A 5/1916 Bower  
1,206,618 A 11/1916 Thrasher et al.  
1,251,560 A 1/1918 Myskow  
(Continued)

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

FOREIGN PATENT DOCUMENTS  
DE 281680 8/1913  
(Continued)

(21) **Appl. No.:** **29/348,925**

OTHER PUBLICATIONS

(22) **Filed:** **Feb. 22, 2010**

“Magic Maaze” Frongate Mail-Order Catalog, Summer 1995, p. 32.  
(Continued)

(51) **LOC (9) Cl.** ..... **03-01**

(52) **U.S. Cl.** ..... **D3/305**

(58) **Field of Classification Search** ..... D32/35-37;  
D3/201, 301, 305, 307, 314, 233, 246; D34/1;  
232/43.4, 43.5, 43.2; 220/908-911  
See application file for complete search history.

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S.C.

(57) **CLAIM**  
The ornamental design for a collapsible structure, as shown  
and described.

(56) **References Cited**

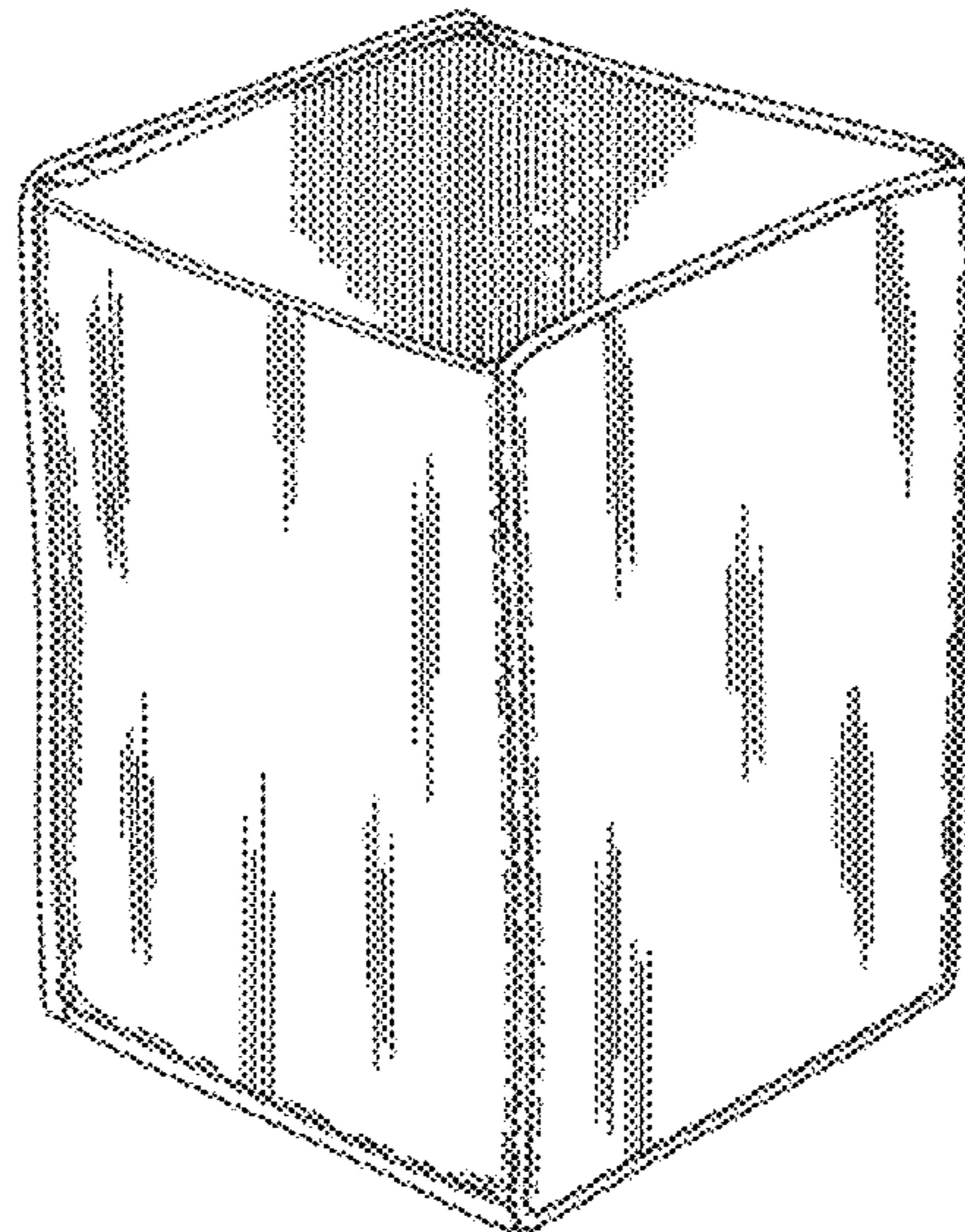
**DESCRIPTION**

U.S. PATENT DOCUMENTS

177,749 A	3/1876	Redden
216,227 A	6/1879	Sedgwick
217,362 A	7/1879	Gardner
218,277 A	8/1879	Kilham
251,325 A	12/1881	Walters
288,654 A	11/1883	Morse
338,892 A	3/1886	Walker
344,340 A	6/1886	Barrow
356,301 A	1/1887	Belknap
414,622 A	11/1889	Willits
481,957 A	9/1892	Klank
665,942 A	1/1901	Tabler
929,430 A	7/1909	Hill
945,918 A	1/1910	Crawford
975,745 A	11/1910	Bower
1,087,702 A	2/1914	Van Patten
1,135,892 A	4/1915	Grosenbeck
1,144,643 A	6/1915	Elkins
1,155,475 A	10/1915	Fay
1,167,497 A	1/1916	Hayes
1,180,574 A	4/1916	Despot

FIG. 1 is a perspective view of a first embodiment;  
FIG. 2 is a right side elevation view, the left side elevation  
view being identical;  
FIG. 3 is a front elevation view, the rear elevation view being  
identical;  
FIG. 4 is a top plan view;  
FIG. 5 is a bottom plan view;  
FIG. 6 is a perspective view of a second embodiment;  
FIG. 7 is a right side elevation view, the left side elevation  
view being identical;  
FIG. 8 is a front elevation view, the rear elevation view being  
identical;  
FIG. 9 is a top plan view; and,  
FIG. 10 is a bottom plan view.  
The very small break lines illustrated on the top, bottom, and  
side outside edges of the collapsible structure represent  
stitching.

**1 Claim, 4 Drawing Sheets**



# US D661,900 S

U.S. PATENT DOCUMENTS					
1,263,294 A	4/1918	Taylor	3,799,384 A	3/1974	Hurkamp
1,308,268 A	7/1919	Wagner et al.	3,807,421 A	4/1974	Geiger et al.
1,360,844 A	11/1920	Williams	3,834,528 A	9/1974	Pickford et al.
1,394,007 A	10/1921	Hall	3,843,222 A	10/1974	Berkun
1,520,532 A	12/1924	Clark	3,868,155 A	2/1975	Cherubini
1,538,260 A	5/1925	Street et al.	3,880,459 A	4/1975	Kelley
1,581,888 A	4/1926	Thomas	3,883,026 A	5/1975	Selz
1,583,083 A	5/1926	Macaraig	3,893,649 A	7/1975	Cornell et al.
1,640,083 A	8/1927	Ladd	3,935,958 A	2/1976	Frangos
1,647,679 A	11/1927	Williams	3,946,903 A	3/1976	Parker
1,691,904 A	11/1928	Gamble	3,955,706 A	5/1976	Whitaker
1,703,066 A	2/1929	Horn	3,960,161 A	6/1976	Norman
1,832,715 A	11/1931	London	3,987,580 A	10/1976	Ausnit
1,836,297 A	12/1931	Vienna	3,990,463 A	11/1976	Norman
1,979,978 A	11/1934	Martin	4,010,784 A	3/1977	Natgrass et al.
1,994,235 A	3/1935	Solomon	4,011,611 A	3/1977	Lederman
1,999,424 A	4/1935	Seitz	4,055,239 A	10/1977	Weiner
2,009,035 A	7/1935	Towers	4,073,105 A	2/1978	Daugherty
2,016,520 A	10/1935	Short	4,094,639 A	6/1978	McMillan
2,042,888 A	6/1936	Flood	4,118,089 A	10/1978	Johnson et al.
2,057,942 A	10/1936	Fay	4,122,274 A	10/1978	Juby
2,071,850 A	2/1937	Miller	4,133,149 A	1/1979	Angress
2,115,308 A	4/1938	Koch	4,134,225 A	1/1979	Welch
2,136,761 A	11/1938	Simmons	4,165,757 A	8/1979	Marks
2,182,932 A	12/1939	Sanford	4,170,082 A	10/1979	Freedman
2,269,574 A	1/1942	Benenfeld	4,180,113 A	12/1979	Liebling
2,280,601 A	4/1942	Otter	4,195,804 A	4/1980	Hujsak et al.
2,295,584 A	9/1942	Larson	4,212,130 A	7/1980	Walker
2,298,786 A	10/1942	Dubofsky et al.	4,212,377 A	7/1980	Weinreb
2,361,743 A	10/1944	Butler	4,246,945 A	1/1981	Sterling
2,517,757 A	8/1950	Alderstein	4,248,278 A	2/1981	Blodgett
2,544,074 A	3/1951	Ernst et al.	4,248,442 A	2/1981	Barrett
2,575,893 A	11/1951	Seaman	4,265,261 A	5/1981	Barker
2,600,501 A	6/1952	Higgs	4,287,701 A	9/1981	Washington
2,625,973 A	1/1953	Weldon et al.	4,299,365 A	11/1981	Battle
2,639,819 A	5/1953	Marks	4,304,068 A	12/1981	Beder
2,664,131 A	12/1953	Miller	4,313,634 A	2/1982	Williams
2,710,084 A	6/1955	Braverman	4,352,457 A	10/1982	Weick
2,721,099 A	10/1955	Rupp	4,388,739 A	6/1983	Martinon et al.
2,724,537 A	11/1955	Fehr	4,401,213 A	8/1983	Lerner
2,746,582 A	5/1956	Cart	D270,939 S *	10/1983	Stehlik ..... D23/410
2,761,480 A	9/1956	Tames	4,411,300 A	10/1983	Rico
2,767,757 A	10/1956	Marder	4,427,110 A	1/1984	Shaw, Jr.
2,778,560 A	1/1957	Pfeiffer	4,428,484 A	1/1984	Rattay et al.
2,780,402 A	2/1957	Zucker et al.	D274,662 S	7/1984	Fausel
2,833,460 A	5/1958	Votolato	4,485,855 A	12/1984	Dillingham
2,879,553 A	3/1959	Keating	D279,249 S	6/1985	Fausel
2,958,357 A	11/1960	Vorgan	4,580,776 A	4/1986	Burkinshaw
3,014,516 A	12/1961	Mueller	4,585,283 A	4/1986	Redmon et al.
3,017,117 A	1/1962	Klingler	4,603,432 A	7/1986	Marino
3,061,396 A	10/1962	Hock	4,610,394 A	9/1986	Bryson
3,126,933 A	3/1964	Mason et al.	4,630,312 A	12/1986	Milstein
3,160,307 A	12/1964	Morrison	4,630,747 A	12/1986	Chiang et al.
3,233,644 A	2/1966	Bono	4,632,138 A	12/1986	Irwin
3,257,077 A	6/1966	Corning	D288,019 S	1/1987	Gebhard et al.
3,260,396 A	7/1966	Buch	4,635,411 A	1/1987	Kurzen
3,265,284 A	8/1966	Tompkins	4,642,934 A	2/1987	Carlson et al.
3,310,089 A	3/1967	Silverman	4,646,802 A	3/1987	Basore et al.
3,354,924 A	11/1967	Birrell et al.	D290,538 S	6/1987	Basore
3,373,925 A	3/1968	Gatward	4,683,927 A	8/1987	Pyzer
3,410,328 A	11/1968	Sasai	4,697,357 A	10/1987	Van Vliet
D213,131 S	1/1969	Hamilton	4,706,845 A	11/1987	Schnurer et al.
3,434,589 A	3/1969	Valtri et al.	4,715,572 A	12/1987	Robbins, III et al.
3,439,865 A	4/1969	Port et al.	4,716,918 A	1/1988	Hayashida et al.
D215,846 S	11/1969	Curtin et al.	4,728,066 A	3/1988	Lang et al.
3,480,059 A	11/1969	Schoening	4,730,748 A	3/1988	Bane
3,502,091 A	3/1970	Corbin	4,738,478 A	4/1988	Bean, Jr.
3,583,748 A	6/1971	Arndt	4,747,701 A	5/1988	Perkins
3,603,367 A	9/1971	Lehrman	4,752,008 A	6/1988	Pratt
3,661,326 A	5/1972	Wilson	4,759,518 A	7/1988	Yardas
3,675,667 A	7/1972	Miller	4,779,794 A	10/1988	Moore
3,675,981 A	7/1972	Mallander	4,781,300 A	11/1988	Long
3,696,850 A	10/1972	Rosenblum	4,783,031 A	11/1988	Ebentheuer
3,709,237 A	1/1973	Smith	4,784,248 A	11/1988	Workman
3,727,786 A	4/1973	Fausel	4,790,029 A	12/1988	LaFleur et al.
3,732,978 A	5/1973	Reader	4,812,054 A	3/1989	Kirkendall
3,733,758 A	5/1973	Maier et al.	4,813,520 A	3/1989	Lin
3,796,342 A	3/1974	Sanders et al.	4,815,784 A	3/1989	Zheng
			4,825,892 A	5/1989	Norman

# US D661,900 S

4,842,032 A	6/1989	Mastronardo	D397,756 S	9/1998	Hagerty	
4,854,501 A	8/1989	Ricci	5,800,067 A	9/1998	Easter	
4,858,561 A	8/1989	Springer	5,816,279 A	10/1998	Zheng	
4,858,634 A	8/1989	McLeese	5,816,954 A	10/1998	Zheng	
4,862,602 A	9/1989	Krill	5,827,104 A	10/1998	Zheng	
4,876,829 A	10/1989	Mattick	5,845,697 A	12/1998	Zheng	
4,895,230 A	1/1990	King	5,853,313 A	12/1998	Zheng	
4,899,967 A	2/1990	Johnson	D406,423 S	3/1999	Kellogg et al.	
4,903,584 A	2/1990	Styles	D407,765 S	4/1999	Zheng	
4,925,102 A	5/1990	Jones et al.	5,901,926 A	5/1999	Zheng	
4,940,200 A	7/1990	Sawyer et al.	5,906,290 A	5/1999	Haberkorn	
4,946,118 A	8/1990	Hastings	5,910,038 A	6/1999	Zheng	
4,948,077 A	8/1990	Gonzalez	5,910,058 A	6/1999	Zheng	
4,951,333 A	8/1990	Kaiser et al.	5,927,793 A	7/1999	McGrath, Jr.	
4,953,815 A	9/1990	Beymer et al.	5,938,496 A	8/1999	Zheng	
4,964,859 A	10/1990	Feldman	5,941,265 A	8/1999	Zheng	
4,989,749 A	2/1991	Choi	5,964,533 A	10/1999	Ziglar	
4,995,487 A	2/1991	Plath	5,967,357 A	10/1999	Kellogg et al.	
D315,432 S	3/1991	Smith	5,971,188 A	10/1999	Kellogg et al.	
5,007,250 A	4/1991	Musielak	5,971,410 A	10/1999	Niichols	
5,009,189 A	4/1991	Neff	5,975,101 A	11/1999	Zheng	
5,011,008 A	4/1991	Baker	5,992,045 A	11/1999	Kellogg et al.	
5,022,767 A	6/1991	Cardulla	5,992,676 A	11/1999	Tsai	
5,024,262 A	6/1991	Huang	6,006,772 A	12/1999	Zheng	
5,027,748 A	7/1991	Wolak	6,059,912 A *	5/2000	Kellogg et al.	156/217
5,031,793 A	7/1991	Chen et al.	6,088,953 A	7/2000	Morgan	
5,035,460 A	7/1991	Huang	6,089,394 A	7/2000	Ziglar	
5,036,999 A	8/1991	Bitsch	6,102,569 A	8/2000	Wang	
5,038,812 A	8/1991	Norman	D431,361 S	10/2000	Kellogg et al.	
5,054,507 A	10/1991	Sparks	D433,810 S	11/2000	Kellogg et al.	
5,072,828 A	12/1991	Irvine	D438,009 S	2/2001	Kellogg et al.	
5,082,219 A	1/1992	Blair	6,209,557 B1	4/2001	Zheng	
5,090,588 A	2/1992	Van Romer et al.	6,220,998 B1	4/2001	Kellogg et al.	
RE33,842 E	3/1992	Ebentheuer	6,269,826 B1	8/2001	Zheng	
5,116,138 A	5/1992	Macsenti et al.	D449,447 S	10/2001	Kellogg et al.	
5,118,201 A	6/1992	Cook	6,305,396 B1	10/2001	Zheng	
5,134,815 A	8/1992	Pickett	6,311,709 B1	11/2001	Louie et al.	
5,137,044 A	8/1992	Brady	6,360,760 B1	3/2002	Louie et al.	
5,143,283 A	9/1992	Lancaster	6,363,955 B1	4/2002	Louie	
5,174,462 A	12/1992	Hames	6,390,111 B2	5/2002	Zheng	
5,195,649 A	3/1993	Wolters	D461,638 S	8/2002	Kellogg et al.	
5,213,147 A	5/1993	Zheng	RE37,924 E	12/2002	Kellogg et al.	
5,222,513 A	6/1993	Hilliard	6,494,335 B1	12/2002	Kellogg et al.	
5,253,775 A	10/1993	Gould	6,502,595 B2	1/2003	Louie	
5,263,672 A	11/1993	He	6,527,136 B1	3/2003	Sabounjian	
5,273,142 A	12/1993	Weber	6,585,414 B2	7/2003	Peska	
5,301,705 A	4/1994	Zheng	6,702,119 B2	3/2004	Sabounjian	
5,324,490 A	6/1994	Van Vlahakis et al.	6,705,338 B2	3/2004	Zheng	
5,335,805 A	8/1994	Chen	D494,367 S	8/2004	Yang	
5,343,887 A	9/1994	Danaher	RE38,591 E	9/2004	Kellogg et al.	
5,356,024 A	10/1994	Ho et al.	6,874,797 B2	4/2005	Gardenour	
5,358,440 A	10/1994	Zheng	6,948,632 B2	9/2005	Kellogg et al.	
5,375,267 A	12/1994	Davis	6,997,338 B2 *	2/2006	Sabounjian	220/9.4
5,382,087 A	1/1995	Pouch	D519,280 S	4/2006	Kellogg et al.	
5,393,023 A	2/1995	Callan	7,066,647 B2	6/2006	Peska	
5,394,897 A	3/1995	Ritchey et al.	7,077,147 B2	7/2006	Louie et al.	
5,411,046 A	5/1995	Wan	7,111,634 B2	9/2006	Louie	
5,429,437 A	7/1995	Shaw et al.	7,137,399 B1	11/2006	Ransom et al.	
5,437,384 A	8/1995	Farrell	D536,872 S	2/2007	Kellogg et al.	
5,437,410 A	8/1995	Babasade	7,178,538 B2	2/2007	Ransom	
5,449,083 A	9/1995	Dougherty et al.	D547,950 S	8/2007	Kellogg et al.	
5,464,113 A	11/1995	Ho et al.	D551,452 S	9/2007	Kellogg et al.	
5,467,794 A	11/1995	Zheng	D555,854 S	11/2007	Kamiya	
5,468,061 A	11/1995	Fries et al.	D555,905 S	11/2007	Kellogg et al.	
5,472,280 A	12/1995	Rittmaster	D610,352 S	2/2010	Kellogg et al.	
5,474,196 A	12/1995	Fausel et al.	D612,117 S	3/2010	Krotts et al.	
5,484,078 A	1/1996	Bronovicki	D622,960 S *	9/2010	Sabounjian	D3/305
5,492,675 A	2/1996	Brizard	2002/0112753 A1	8/2002	Louie	
5,560,385 A	10/1996	Zheng	2003/0213511 A1	11/2003	Louie	
5,576,621 A	11/1996	Clements	2004/0129307 A1	7/2004	Louie et al.	
5,593,046 A	1/1997	Katsuura et al.	2005/0101635 A1	5/2005	Hunter et al.	
5,620,069 A	4/1997	Hurwitz	2005/0181023 A1	8/2005	Young et al.	
5,664,596 A	9/1997	Zheng	2005/0272810 A1	12/2005	Davis et al.	
5,664,886 A	9/1997	Hutchinson	2006/0024365 A1	2/2006	Vaya et al.	
5,671,479 A	9/1997	Dedrick	2006/0084695 A1	4/2006	Griffin et al.	
5,722,446 A	3/1998	Zheng	2006/0112621 A1	6/2006	White	
5,746,514 A	5/1998	Orensten	2006/0135577 A1	6/2006	Nakade et al.	
5,762,530 A	6/1998	Zheng	2006/0148830 A1	7/2006	Terakado et al.	
5,778,915 A	7/1998	Zheng	2006/0160985 A1	7/2006	Pacetti et al.	

# US D661,900 S

Page 4

2007/0014733 A1 1/2007 O'Donnell et al.  
2007/0079548 A1 4/2007 Bakowski  
2007/0225301 A1 9/2007 Weidner  
2008/0027111 A1 1/2008 Shi

## FOREIGN PATENT DOCUMENTS

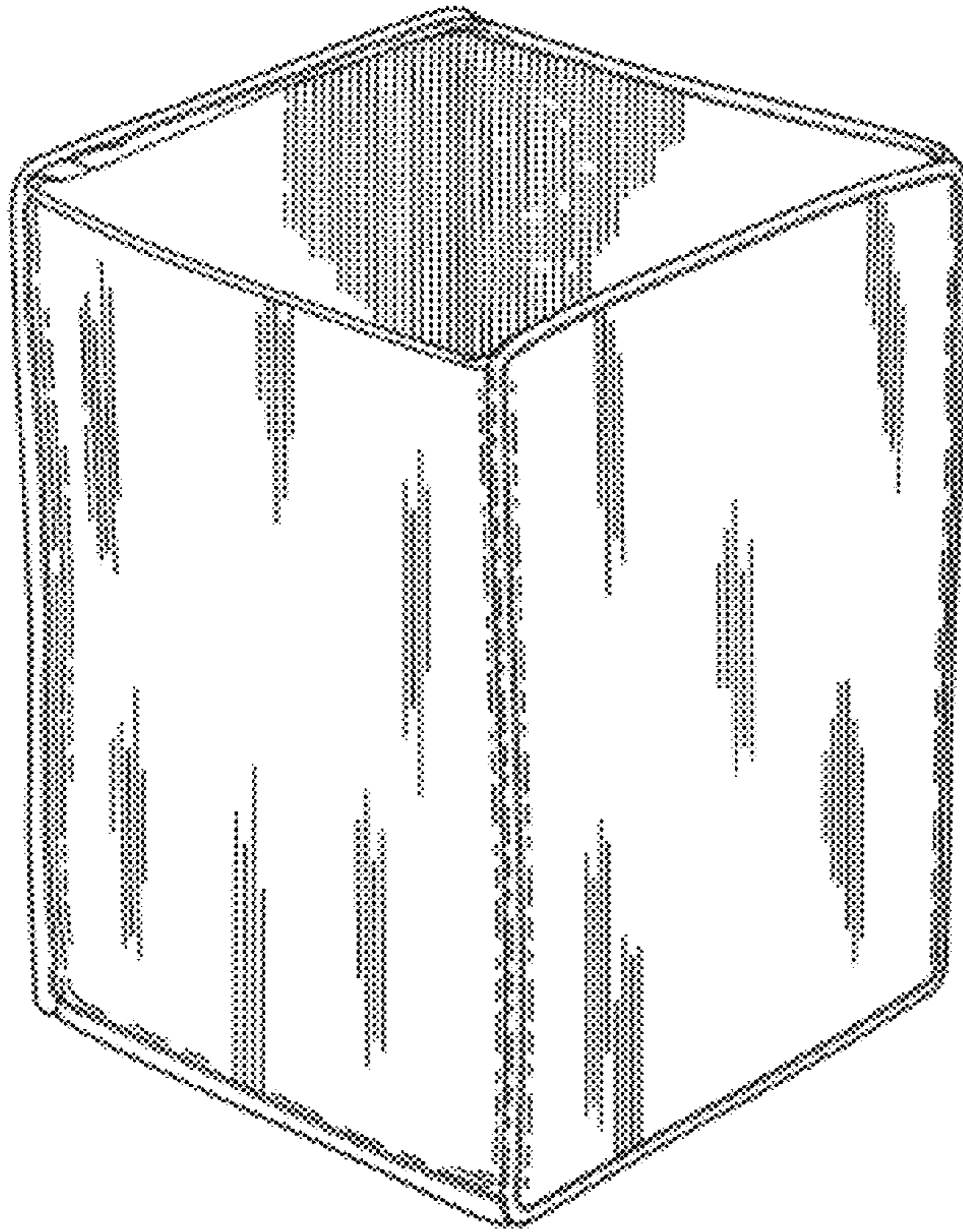
DE	2015649	2/1971
DE	30 13 178	11/1981
DE	41 14 916	11/1991
FR	589062	5/1925
FR	1215335	11/1959
FR	1380728	12/1964
FR	1380738	2/1990
FR	2635136	2/1990
GB	1367	0/1871
GB	5939	0/1915
GB	140570	4/1920
GB	2097244 A	11/1982
GB	2126535	3/1984
GB	2212114	7/1989
JP	6-42227	2/1994

## OTHER PUBLICATIONS

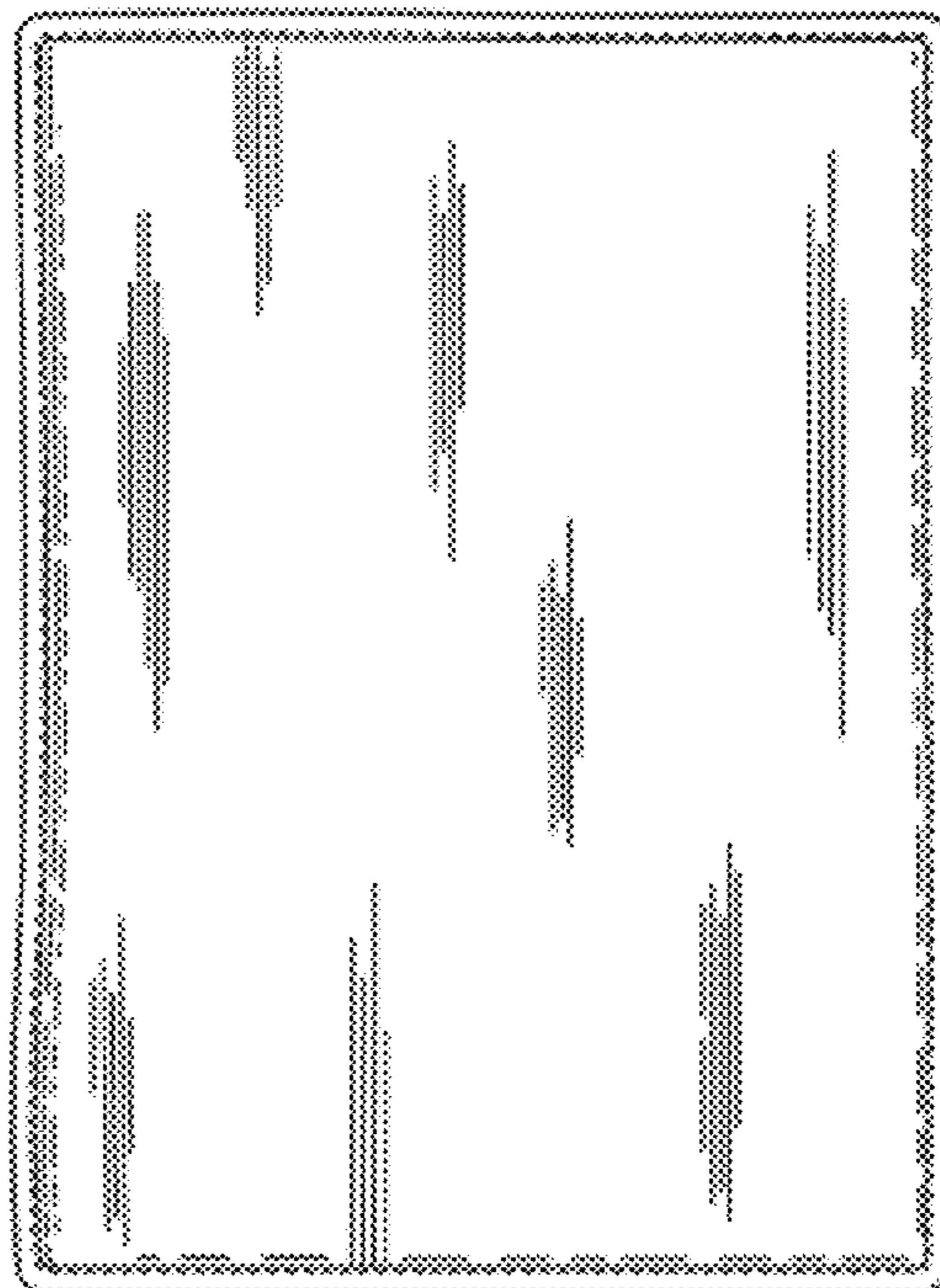
Eileen Edinger letter, dated May 25, 1993.  
Eileen Edinger Douglas letter, dated Aug. 26, 1996.  
Patent Application re: prior art product sold in U.S. By Stephen A. Fausel and Paul S. Ziglar; specification for Collapsible Furniture, Jun. 1985.  
USPTO Office Action dated Oct. 10, 2000 regarding U.S. Appl. No. 09/574,757, 13 pages.  
USPTO Office Action dated Apr. 7, 1999 regarding U.S. Appl. No. 09/108,521, 10 pages.  
USPTO Office Action dated Mar. 22, 2000 regarding U.S. Appl. No. 09/393,956, 8 pages.  
USPTO Office Action dated May 16, 2000 regarding U.S. Appl. No. 09/393,956, 7 pages.  
USPTO Office Action dated Dec. 7, 2001 regarding U.S. Appl. No. 09/698,674, 33 pages.  
USPTO Office Action dated Mar. 10, 2003 regarding U.S. Appl. No. 09/834,437, 5 pages.  
USPTO Office Action dated Sep. 22, 2004 regarding U.S. Appl. No. 10/413,925, 5 pages.  
USPTO Office Action dated Apr. 13, 2004 regarding U.S. Appl. No. 10/413,925, 6 pages.

USPTO Office Action dated Jul. 2, 2004 regarding U.S. Appl. No. 10/413,925, 6 pages.  
USPTO Office Action dated Jun. 23, 1999 regarding U.S. Appl. No. 09/262,904, 10 pages.  
USPTO Office Action dated Oct. 14, 1999 regarding U.S. Appl. No. 09/262,904, 10 pages.  
USPTO Office Action dated Feb. 7, 2000 regarding U.S. Appl. No. 09/262,904, 11 pages.  
USPTO Office Action dated Feb. 7, 2002 regarding U.S. Appl. No. 09/644,894, 10 pages.  
USPTO Office Action dated Apr. 4, 2002 regarding U.S. Appl. No. 09/644,894, 5 pages.  
USPTO Office Action dated Jul. 30, 2002 regarding U.S. Appl. No. 09/644,894, 2 pages.  
USPTO Office Action dated Oct. 6, 1998 regarding U.S. Appl. No. 09/114,370, 7 pages.  
USPTO Office Action dated Mar. 2, 1999 regarding U.S. Appl. No. 09/114,370, 4 pages.  
USPTO Notice of Allowance dated Nov. 23, 1999 regarding U.S. Appl. No. 09/173,079 (incl. Ex. Amt. & Interview Summary), 6 pages.  
USPTO Office Action dated May 25, 2000 regarding U.S. Appl. No. 29/102,936, 5 pages.  
USPTO Office Action dated Jun. 25, 1998 regarding U.S. Appl. No. 08/714,556, 18 pages.  
USPTO Office Action dated Jan. 11, 1999 regarding U.S. Appl. No. 08/714,556, 15 pages.  
USPTO Office Action dated Jan. 3, 2006 regarding U.S. Appl. No. 10/422,393, 6 pages.  
USPTO Office Action dated Aug. 23, 2005 regarding U.S. Appl. No. 10/422,393, 6 pages.  
USPTO Office Action dated Jun. 28, 2004 regarding U.S. Appl. No. 10/422,393, 7 pages.  
USPTO Office Action dated May 28, 2008 regarding U.S. Appl. No. 11/063,091, 9 pages.  
USPTO Office Action dated May 22, 2006 regarding U.S. Appl. No. 11/201,033, 10 pages.  
USPTO Office Action dated Oct. 13, 2006 regarding U.S. Appl. No. 11/201,033, 12 pages.  
USPTO Office Action dated Jun. 3, 2009 regarding U.S. Appl. No. 12/001,862, 10 pages.

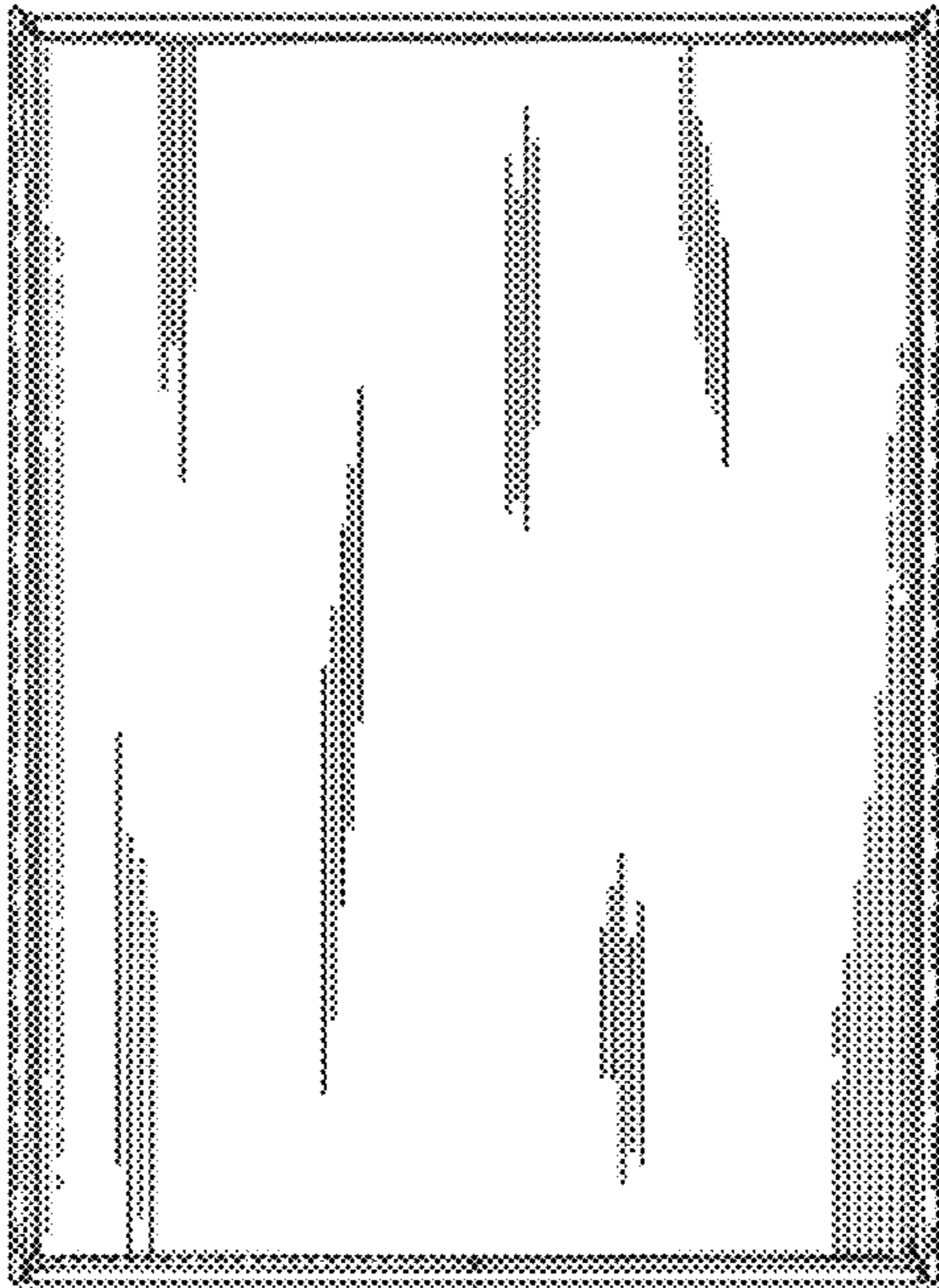
\* cited by examiner



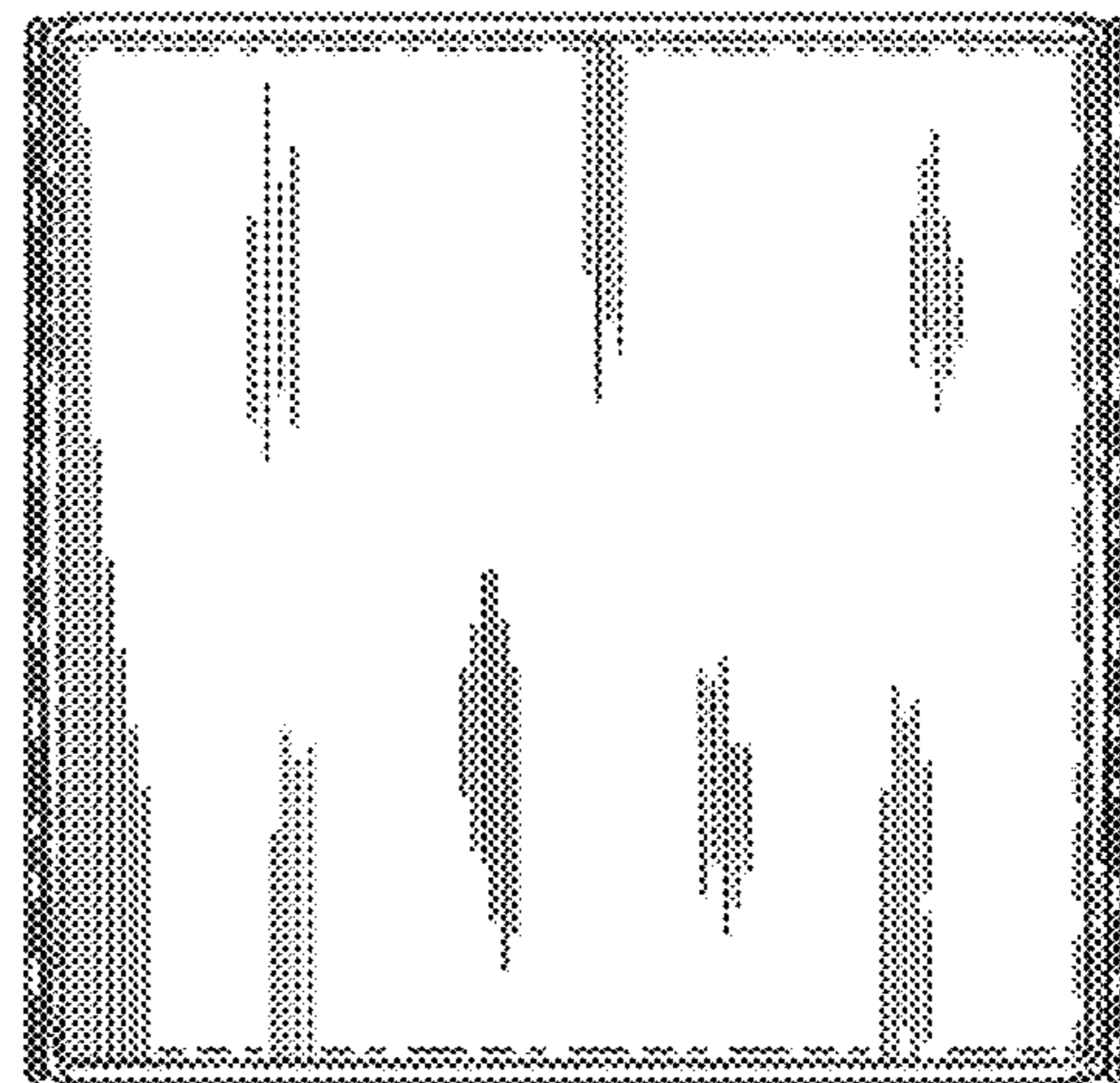
*Fig. 1*



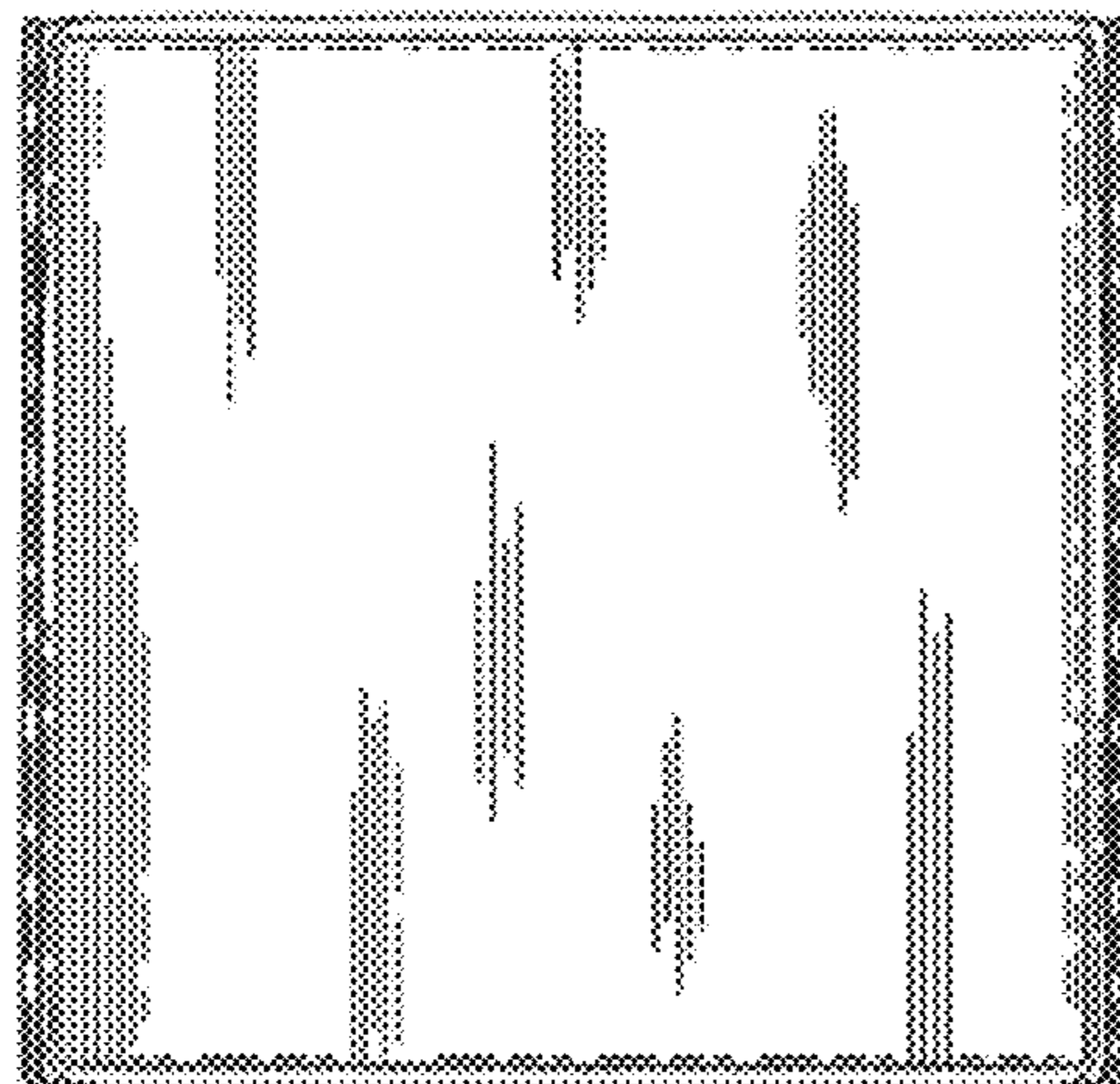
*Fig. 2*



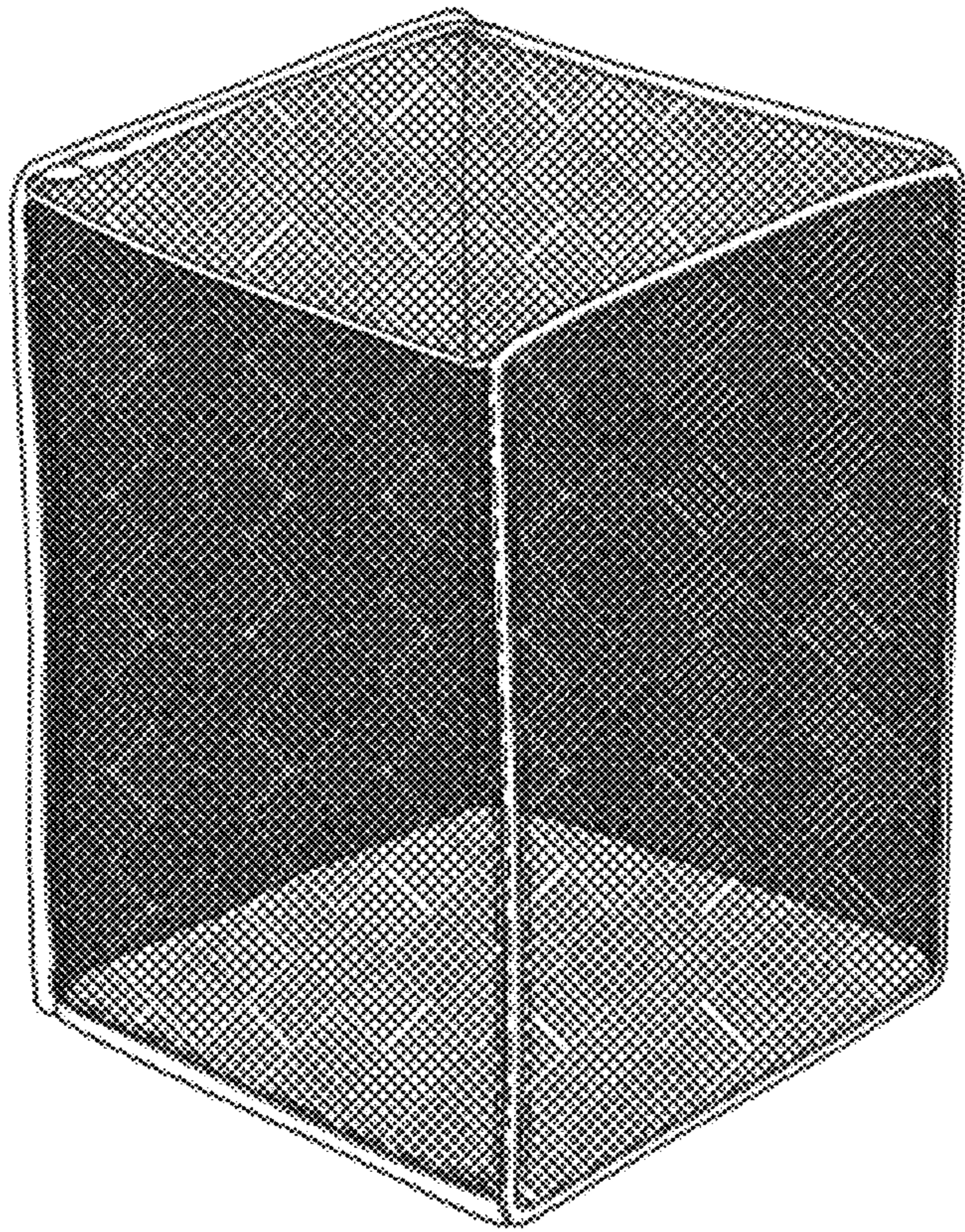
*Fig. 3*



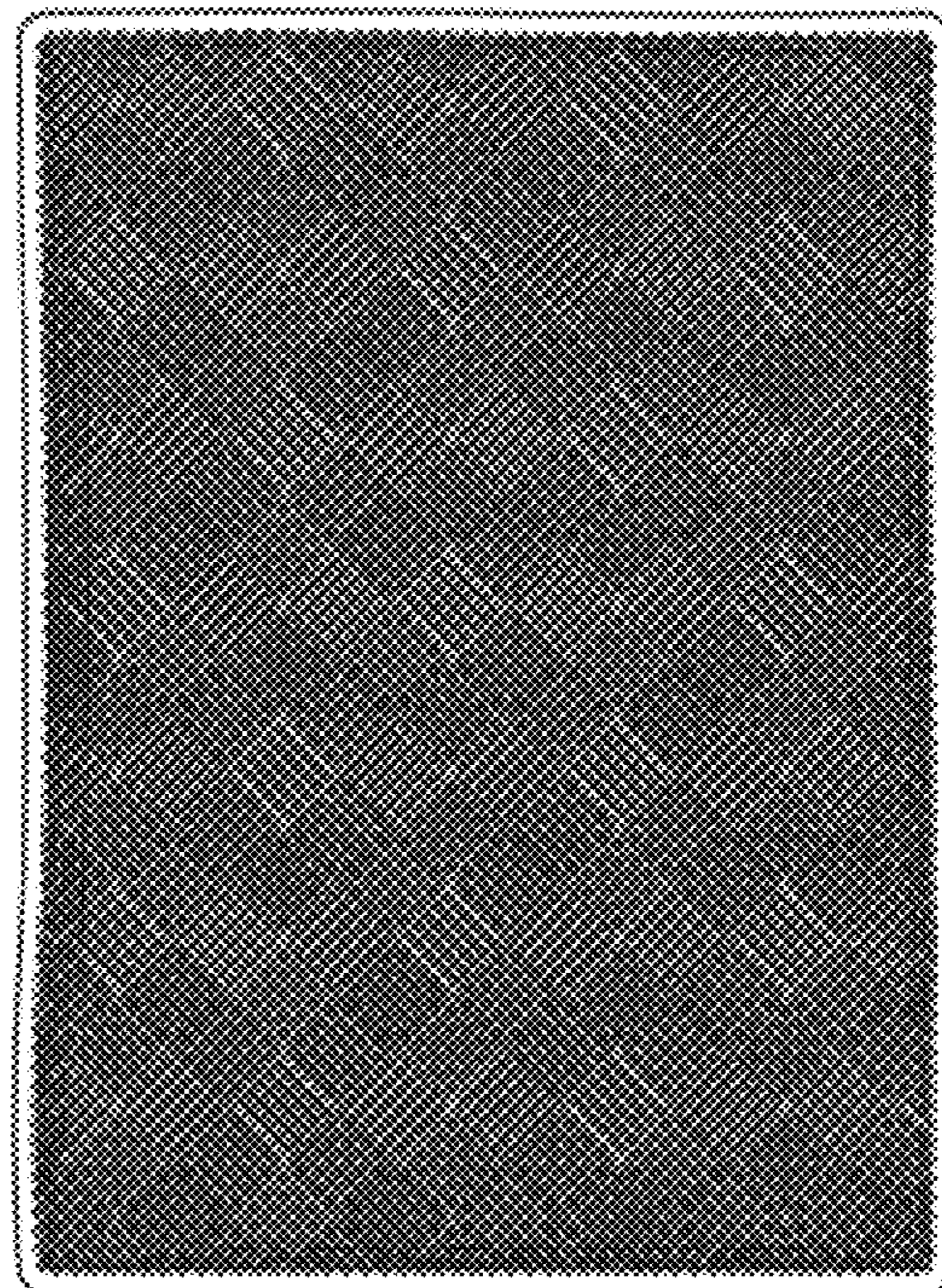
*Fig. 4*



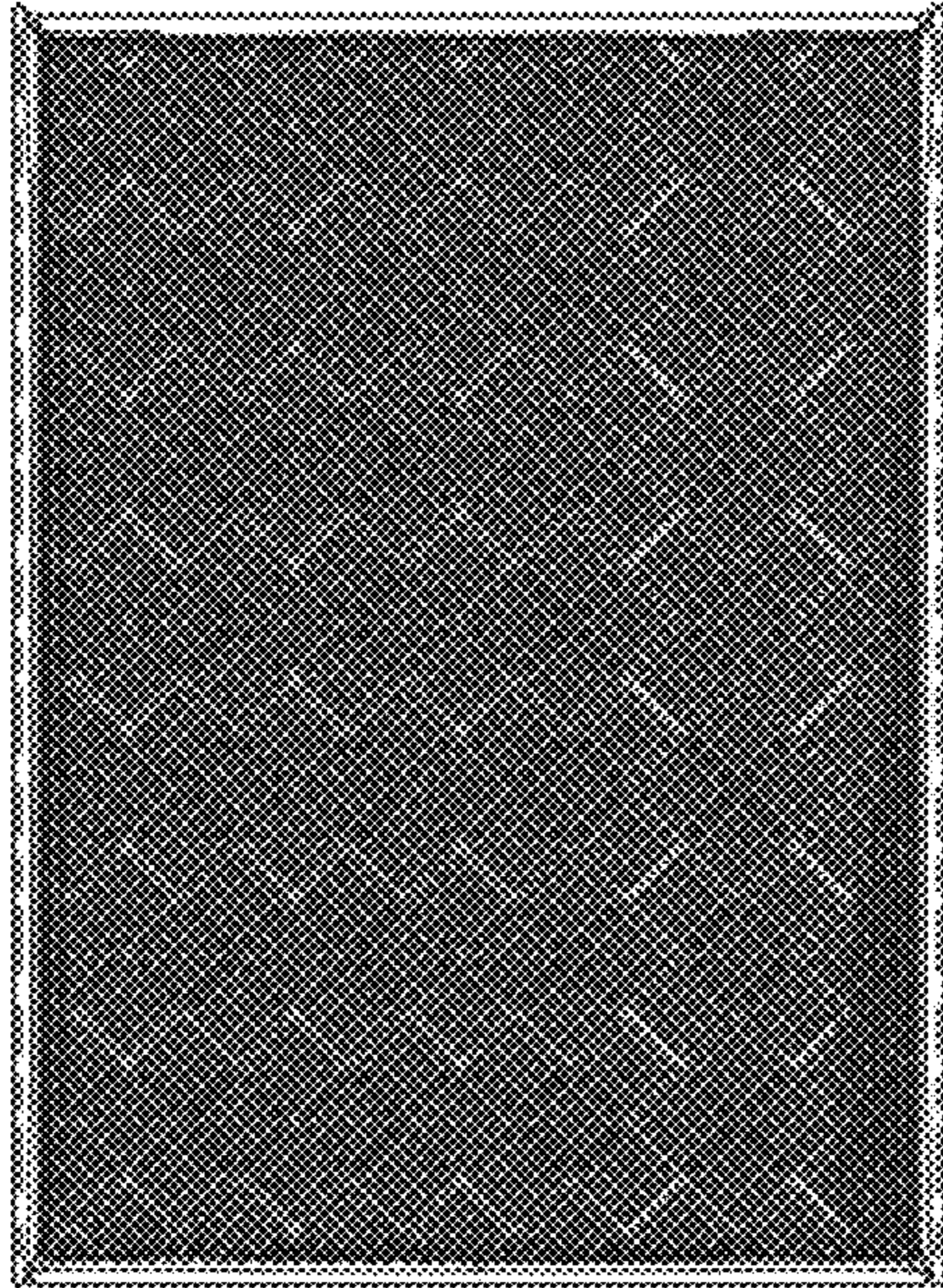
*Fig. 5*



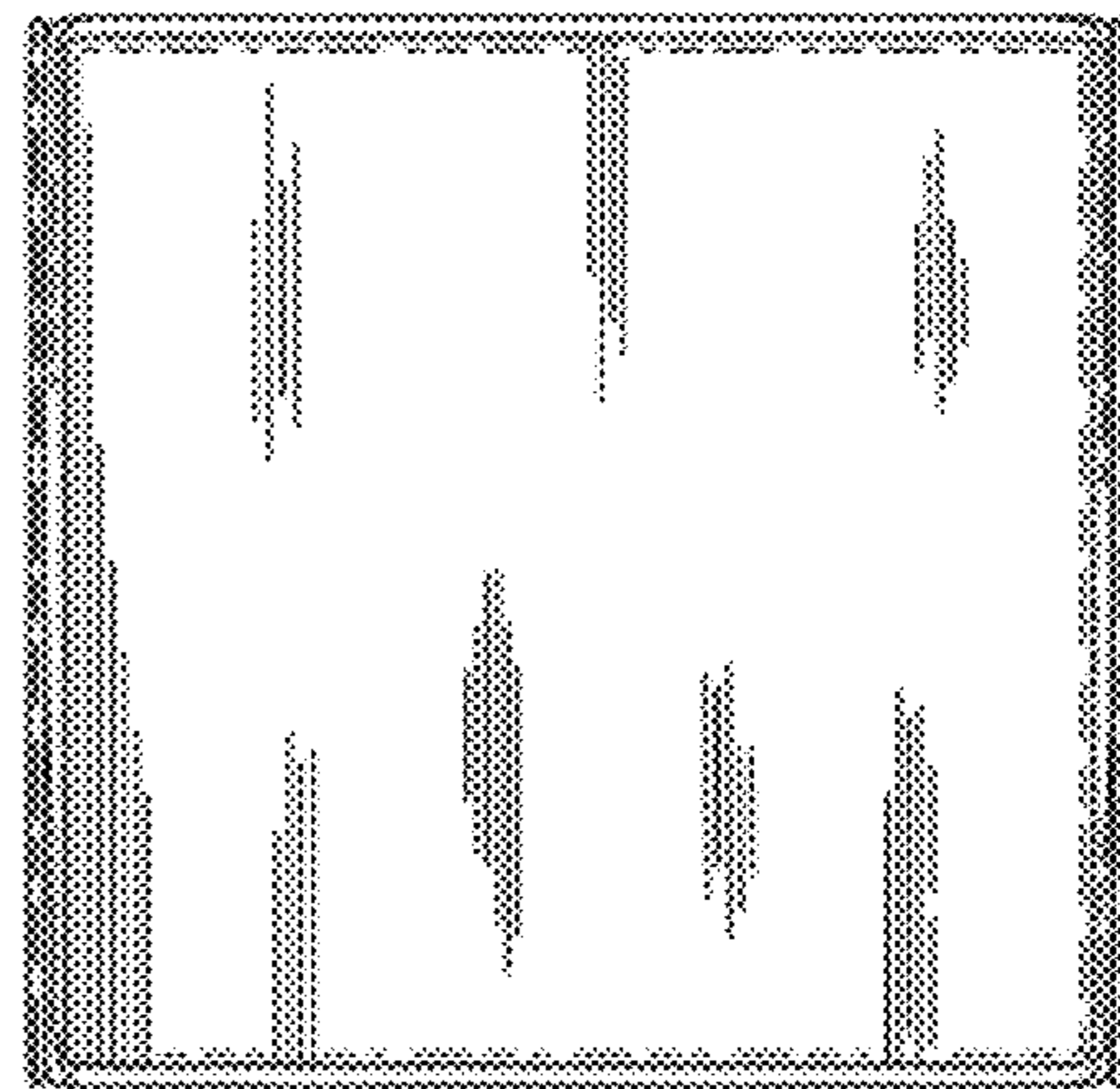
*Fig. 6*



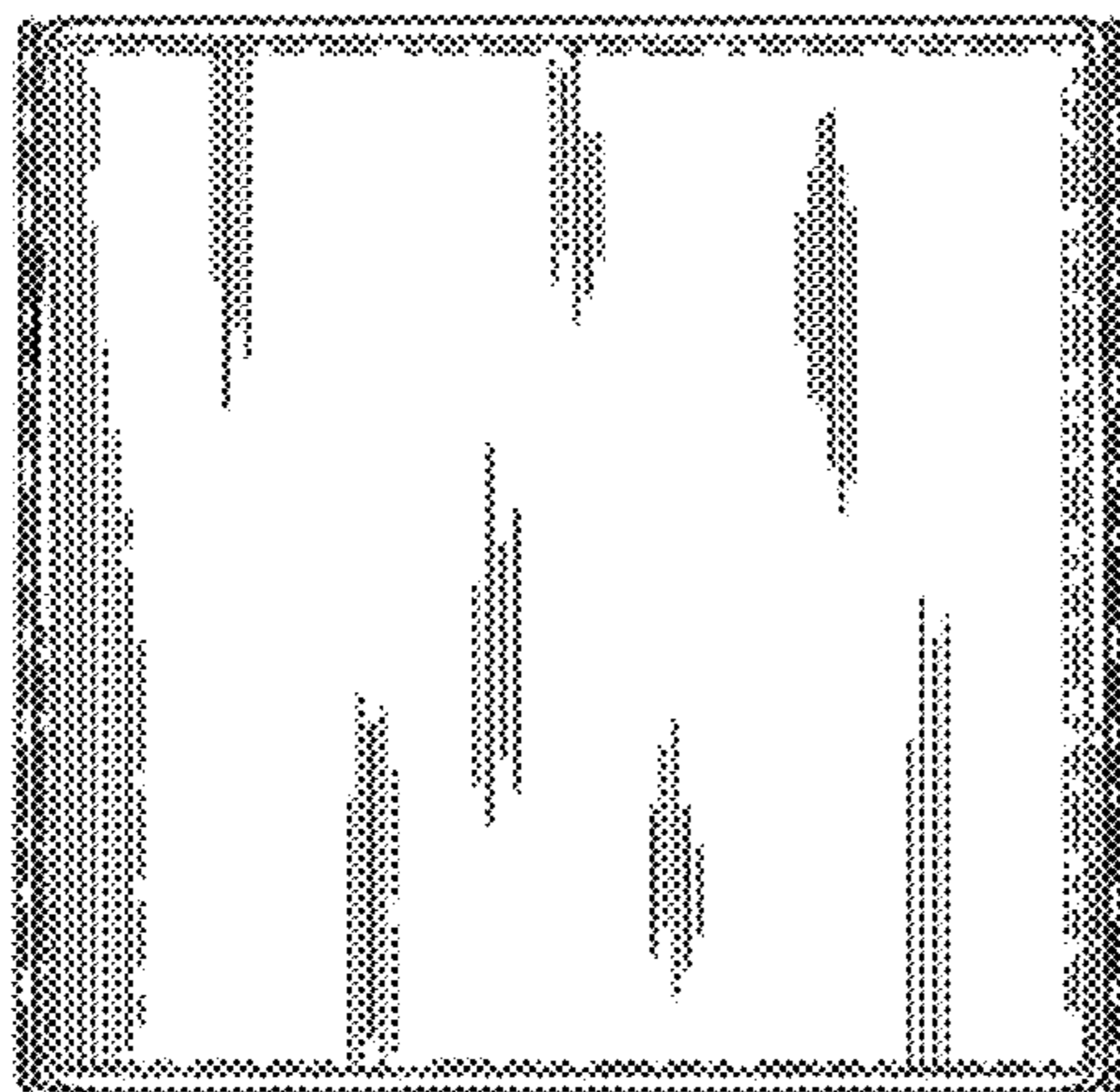
*Fig. 7*



*Fig. 8*



*Fig. 9*



*Fig. 10*