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(12) **United States Design Patent** (10) **Patent No.:** **US D509,667 S**
Ebisawa (45) **Date of Patent:** **** Sep. 20, 2005**

(54) **ABRASIVE SHEET**
(75) **Inventor:** **Hajime Ebisawa, Atsugi (JP)**
(73) **Assignee:** **3M Innovative Properties Company,**
St. Paul, MN (US)
(**) **Term:** **14 Years**
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4,964,245 A 10/1990 Braasch
5,367,839 A 11/1994 Pearce
5,674,122 A 10/1997 Krech
5,810,650 A 9/1998 Jöst
5,989,112 A 11/1999 Long et al.
6,077,156 A 6/2000 Amin et al.
6,159,089 A 12/2000 Amin et al.
D440,772 S * 4/2001 Visel D5/53
D444,631 S * 7/2001 Woodbridge et al. D5/53
6,312,325 B1 11/2001 Van Osenbruggen
6,368,199 B1 4/2002 Van Osenbruggen
2003/0003856 A1 1/2003 Swei

(30) **Foreign Application Priority Data**
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(52) **U.S. Cl.** **D5/57; D5/47**
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994; D6/582-583, 595-596, 598, 608, 603-606,
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152; D21/605; 5/413 AM, 709; 162/134,
140, 231; 156/148, 209; D7/396.4-5; D8/70

FOREIGN PATENT DOCUMENTS

EP 938950 A3 9/1999
EP 938950 B1 9/1999
EP 938950 A2 9/1999
FR 2659892 A1 3/1990
GB 2017485 10/1979
GB 2057483 4/1981

* cited by examiner
Primary Examiner—Gary D. Watson
Assistant Examiner—T. Chase Nelson
(74) *Attorney, Agent, or Firm*—Rick L. Franzen

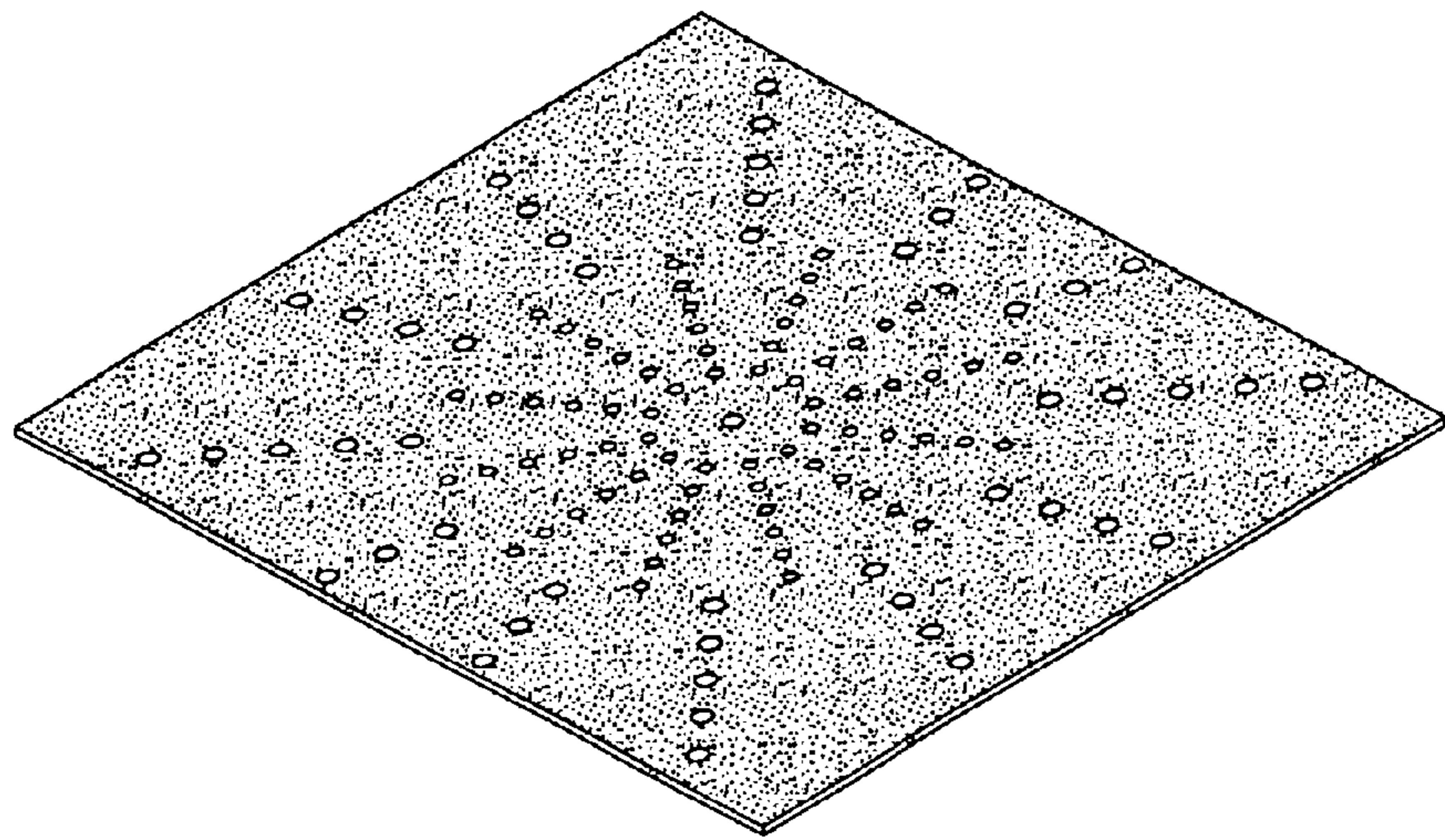
(56) **References Cited**
U.S. PATENT DOCUMENTS
D12,056 S * 12/1880 Stimpson D5/7
D99,638 S * 5/1936 Daniels D5/1
D114,518 S * 4/1939 Lehmann D5/60
D131,575 S * 3/1942 Hoshall D5/7
2,749,681 A 6/1956 Reidenbach
2,838,890 A 6/1958 McIntyre
D187,362 S * 3/1960 Ellefson D5/53
3,021,649 A 2/1962 Robbins
3,353,308 A 11/1967 Zane
3,886,941 A * 6/1975 Duane et al. D5/53
3,932,966 A 1/1976 Stern

(57) **CLAIM**
The ornamental design for an abrasive sheet, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an abrasive sheet showing my new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a side view thereof, the opposite side being identical; and,
FIG. 5 is an end view thereof, the opposite end being identical.

1 Claim, 2 Drawing Sheets



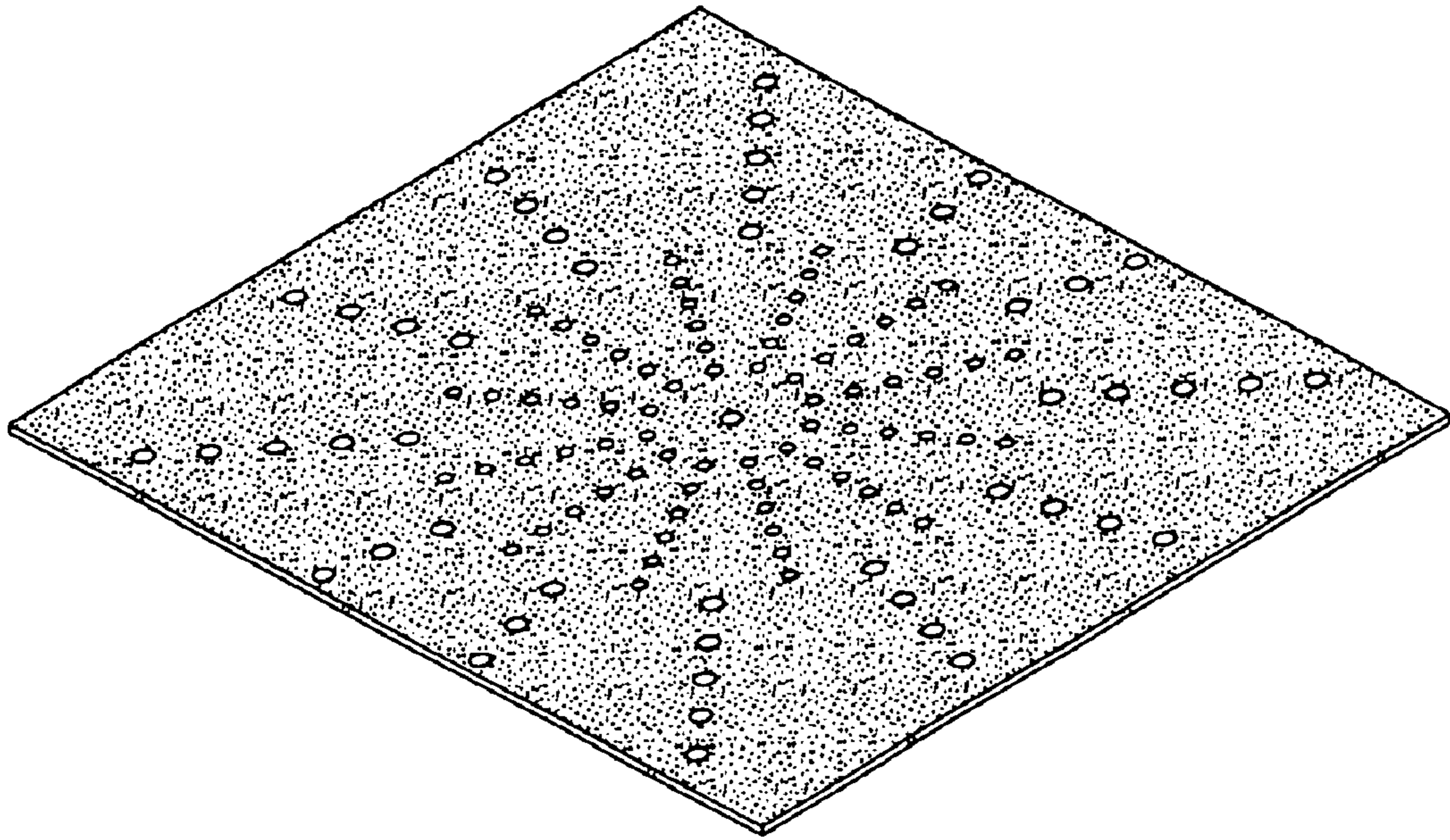


FIG. 1

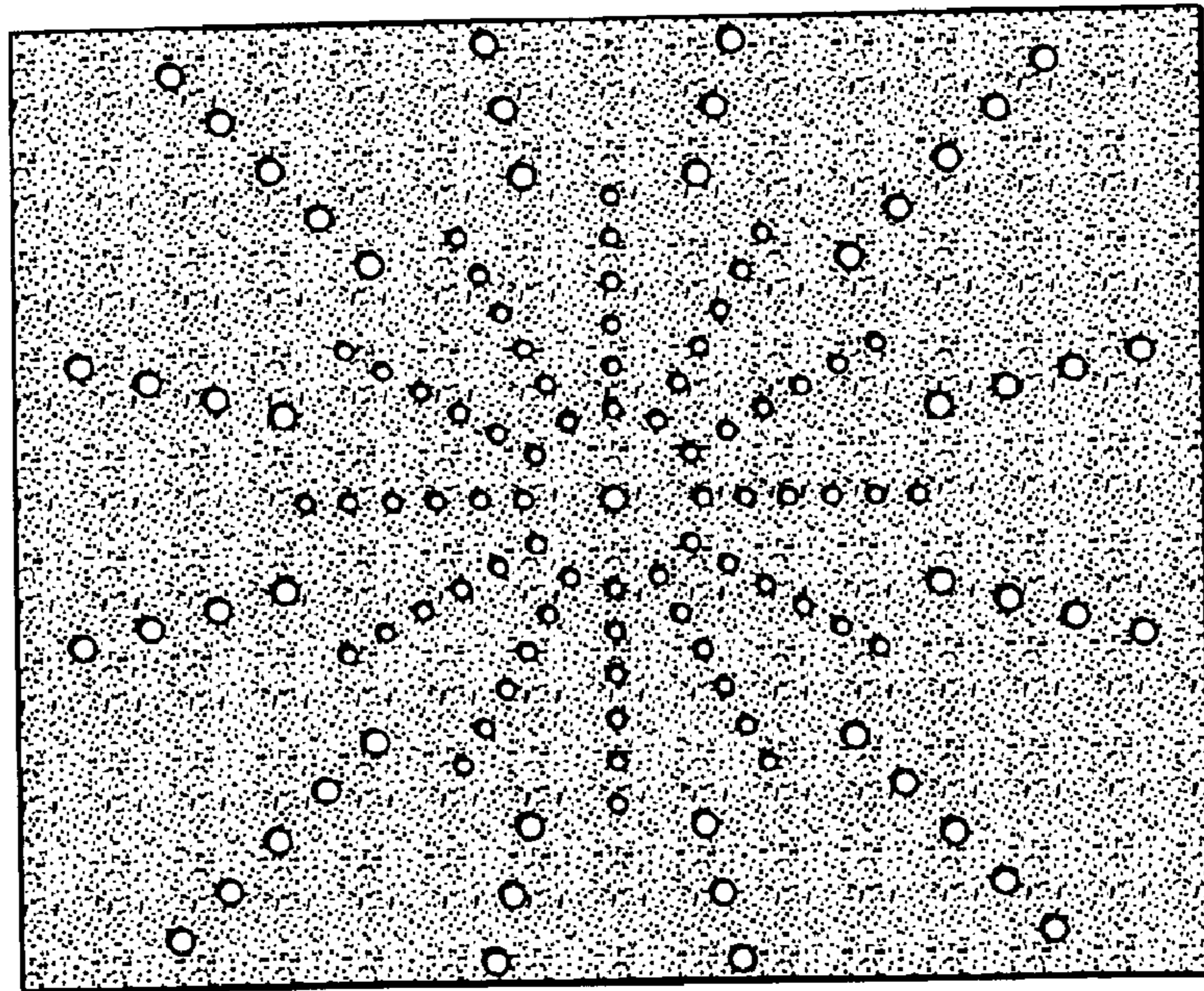


FIG. 2

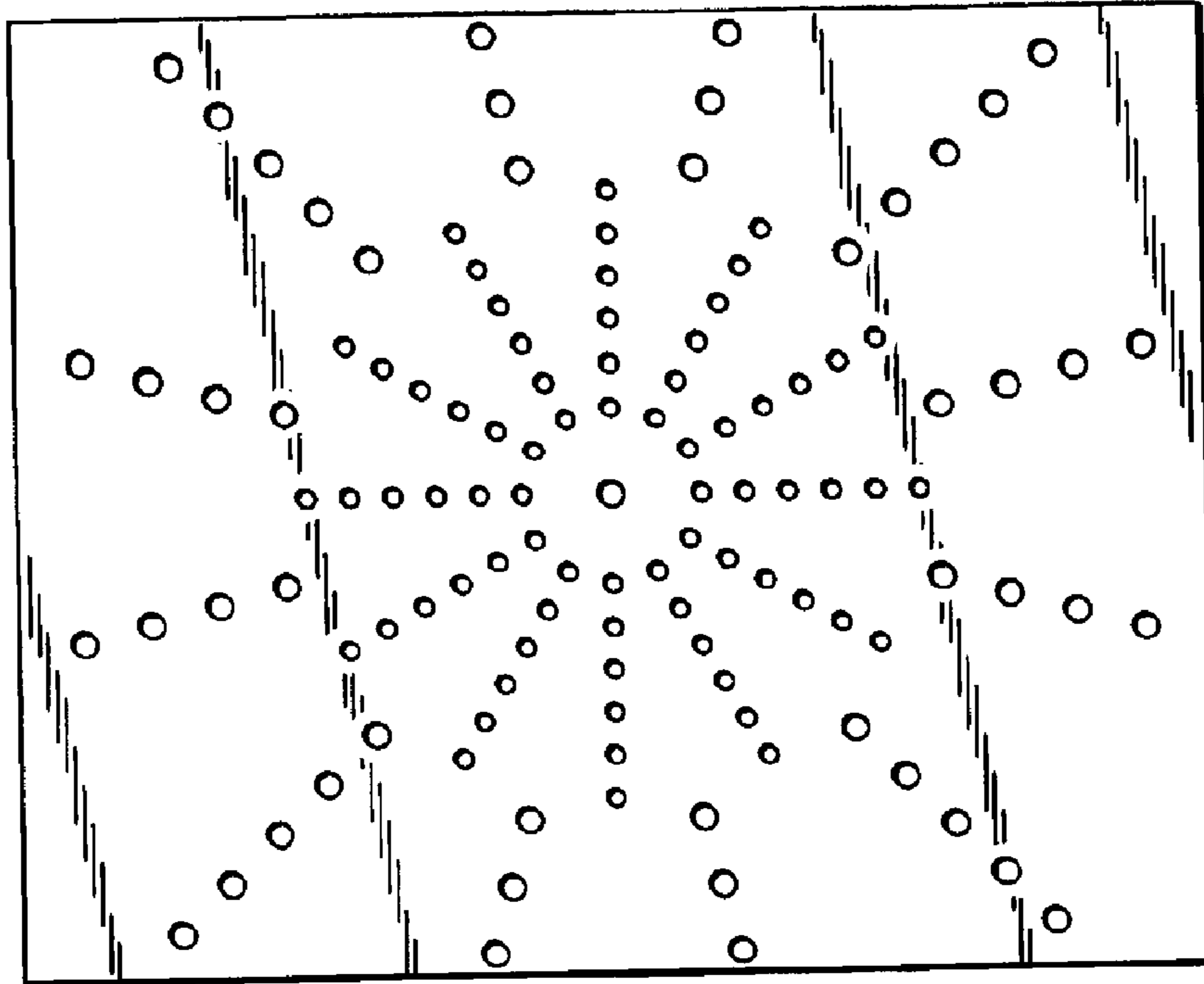


FIG. 3



FIG. 4



FIG. 5