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

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(54) **ABRASIVE MEMBER**

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

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(51) **LOC (7) Cl.** **15-09**

(52) **U.S. Cl.** **D15/123**

(58) **Field of Search** **D15/123; 451/526-528,**
451/532, 548, 491, 538-539, 488, 456,
449; 125/15

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,178,381 A	*	10/1939	Trinkle	.....	451/527
2,650,158 A	*	8/1953	Eastman	.....	451/539
2,749,681 A		6/1956	Reidenbach		
2,838,890 A		6/1958	McIntyre		
3,021,649 A		2/1962	Robbins		
3,094,735 A	*	6/1963	Hanlon	.....	451/526
3,353,308 A		11/1967	Zane		
3,355,844 A	*	12/1967	Abler et al.	.....	451/532
3,932,966 A		1/1976	Stern		
4,964,245 A		10/1990	Braasch		
5,367,839 A		11/1994	Pearce		
5,607,346 A	*	3/1997	Wilson et al.	.....	451/548
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.	
6,227,959 B1	* 5/2001	Beaudry	..... 451/526
6,312,325 B1	11/2001	Van Osenbruggen	
6,368,199 B1	4/2002	Van Osenbruggen	
6,524,175 B2	* 2/2003	Beaudry et al.	..... 451/526
2003/0003856 A1	1/2003	Swei	

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

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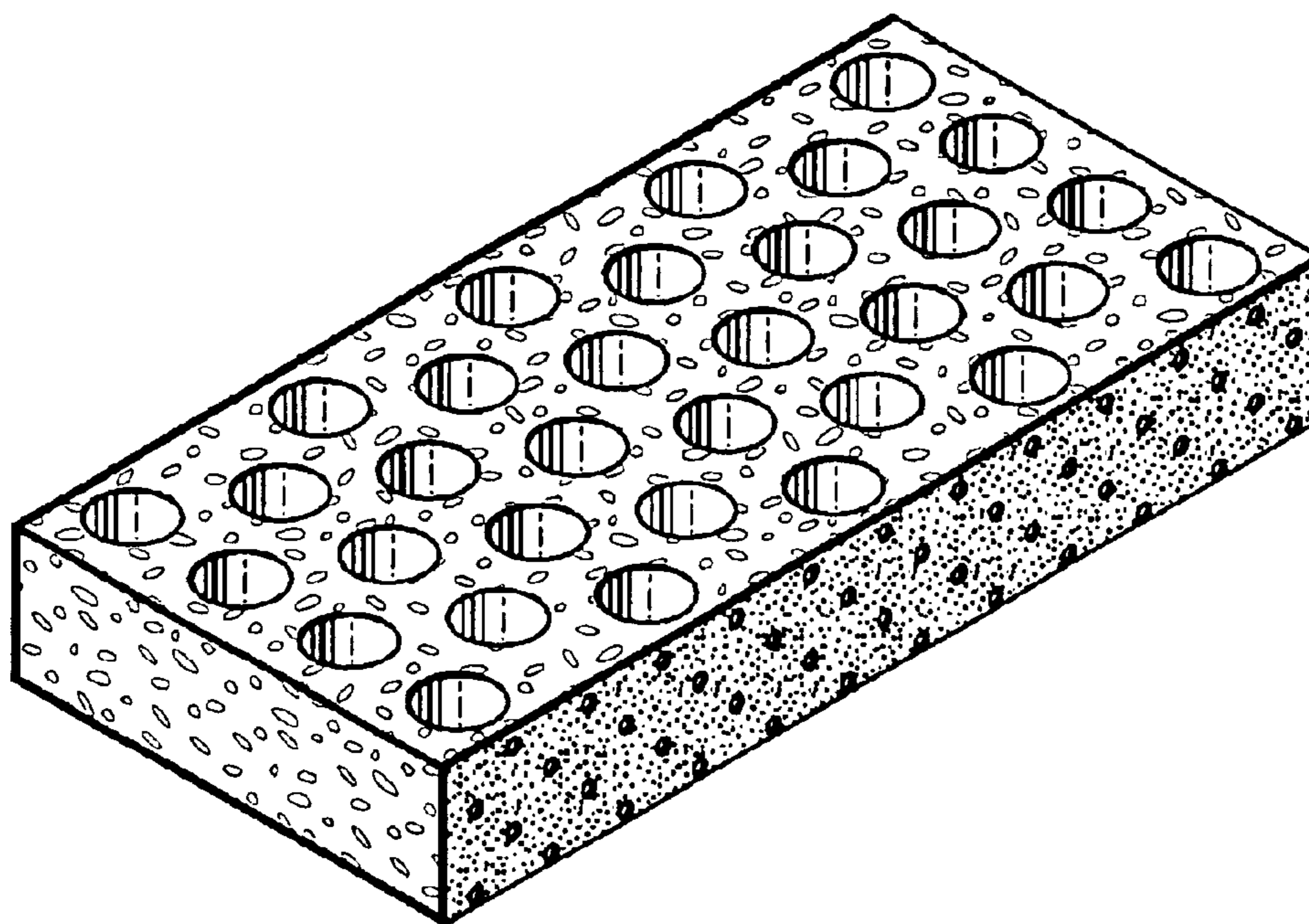
(57) **CLAIM**

The ornamental design for an abrasive member, as shown and described.

DESCRIPTION

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

1 Claim, 2 Drawing Sheets



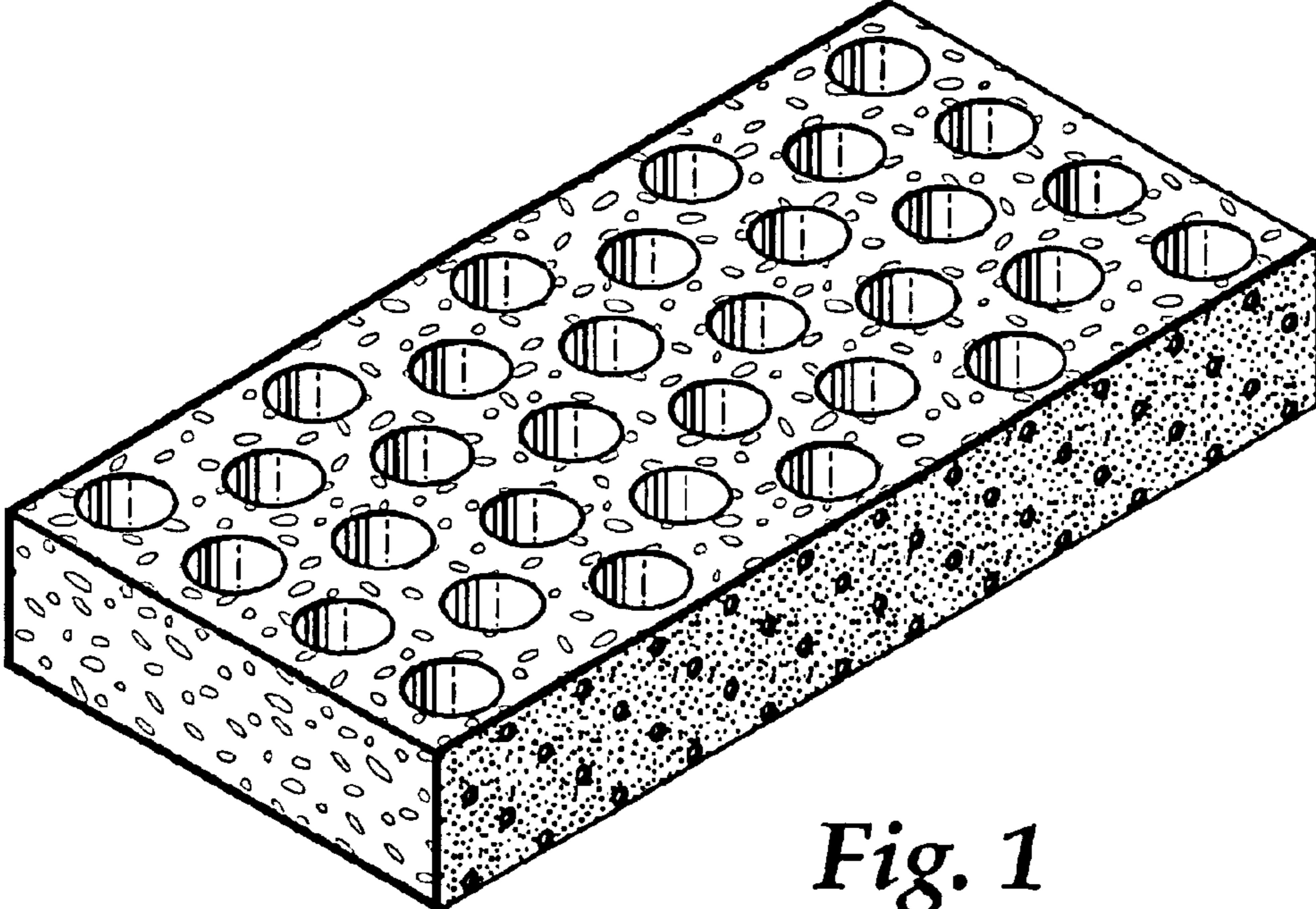


Fig. 1

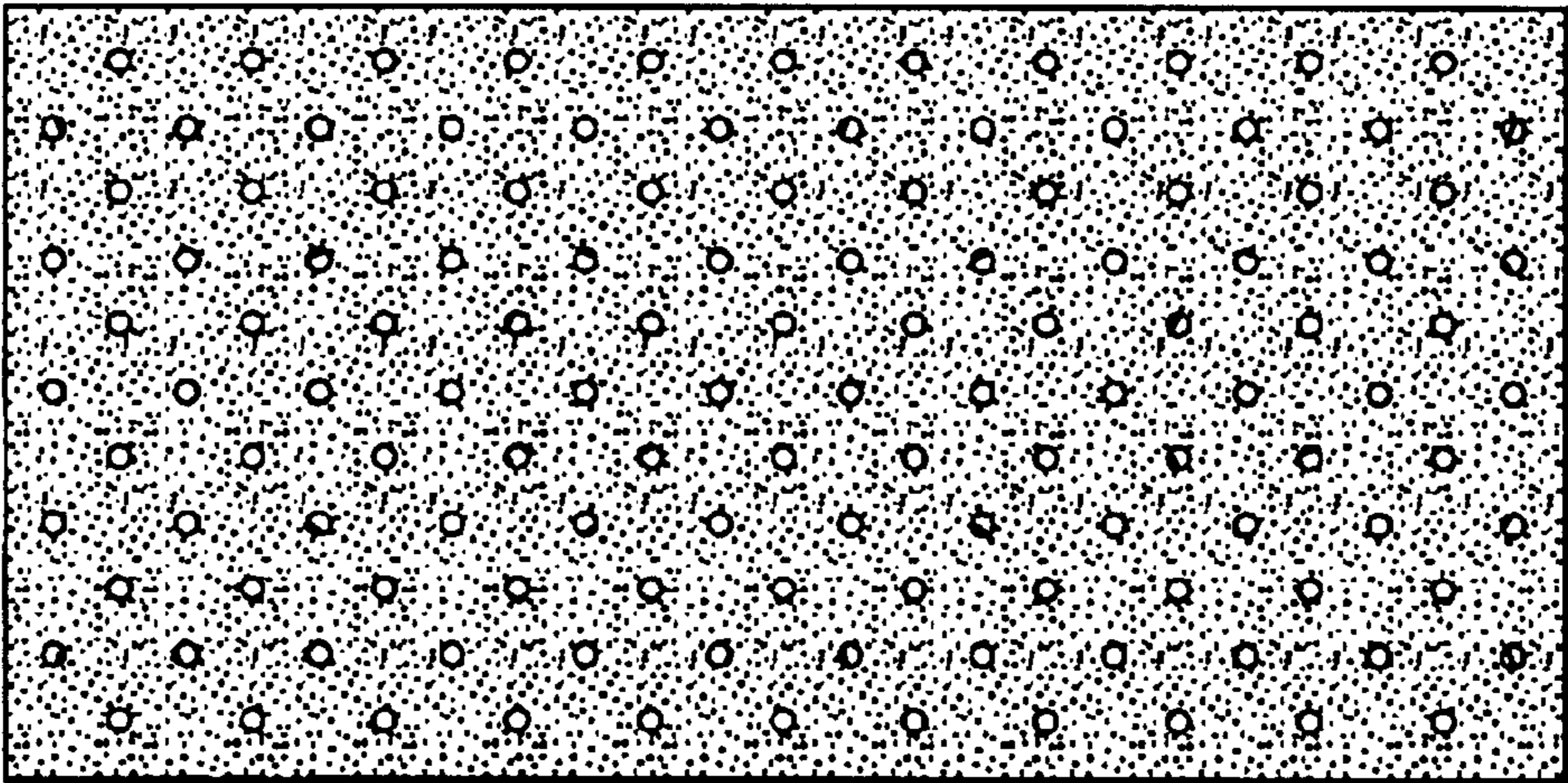


Fig. 2

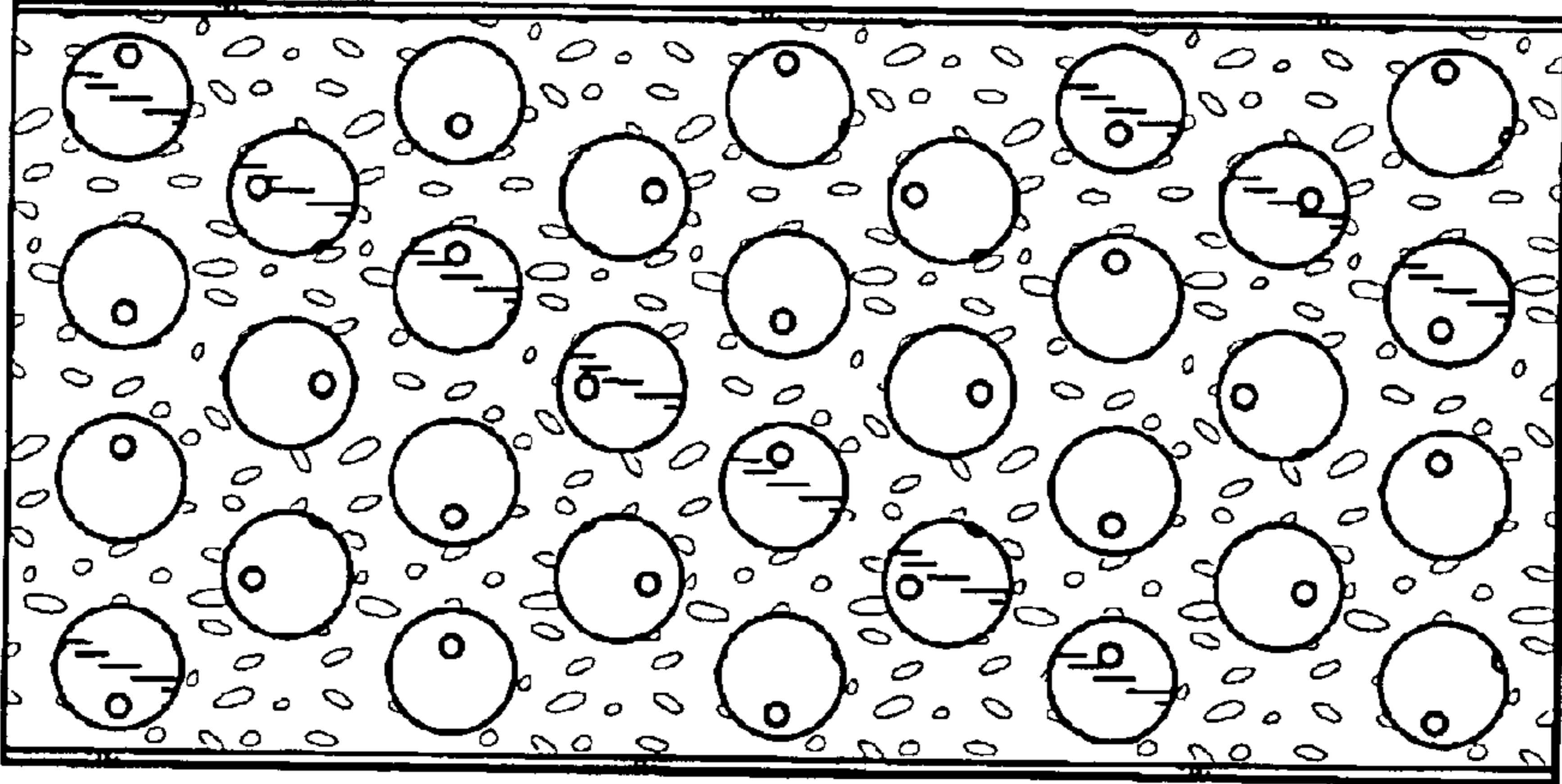


Fig. 3

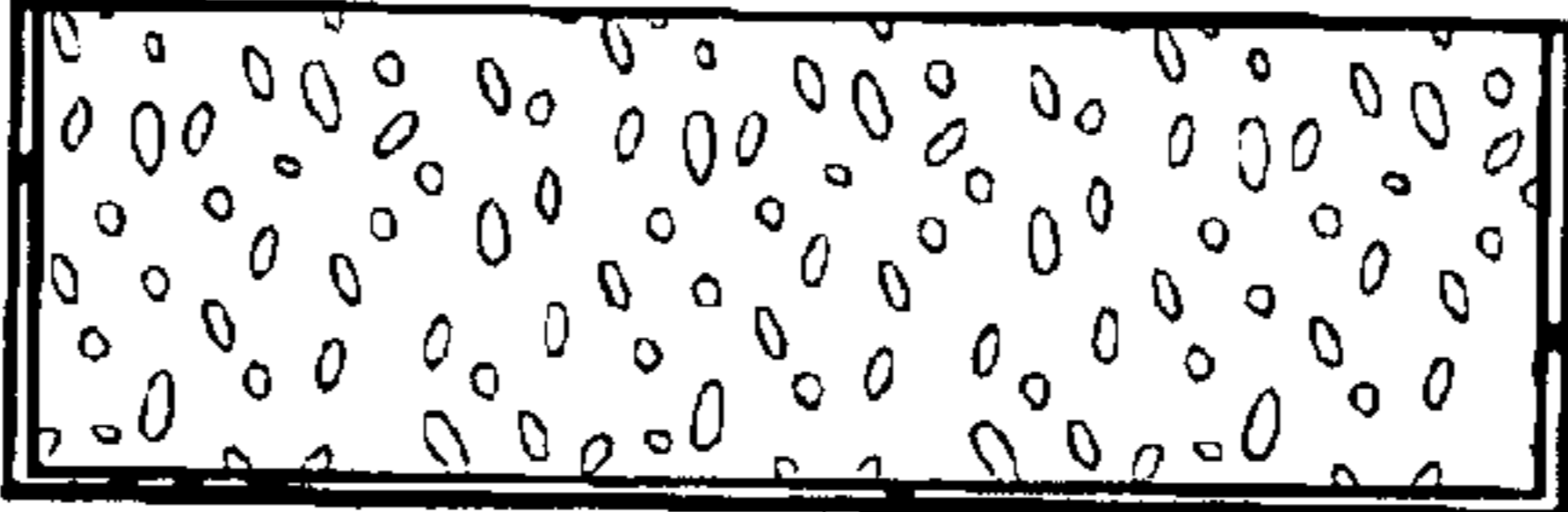


Fig. 4

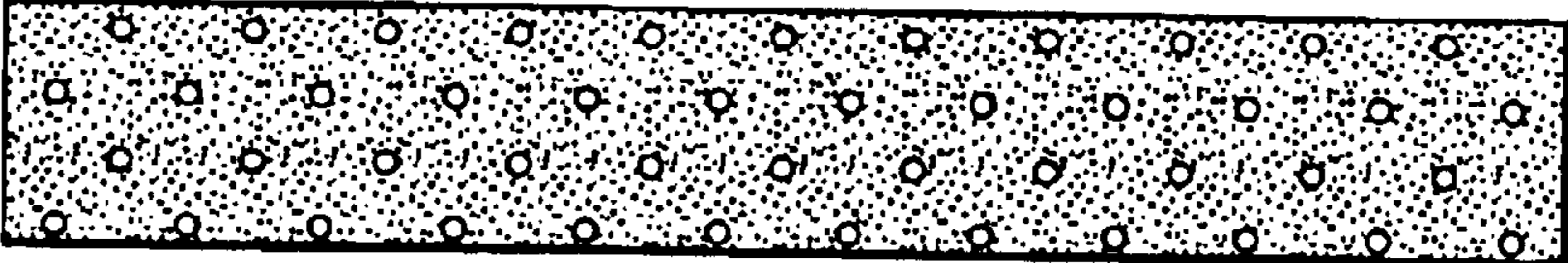


Fig. 5