US00D456196S

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

(10) **Patent No.: US D456,196 S**
(45) **Date of Patent: ** Apr. 30, 2002**

(54) **FABRIC LIGHT CONTROL WINDOW COVERING**

(75) Inventors: **Wendell B. Colson**, Weston, MA (US); **Paul G. Swiszcz**, Boulder, CO (US)

(73) Assignee: **Hunter Douglas Inc.**, Upper Saddle River, NJ (US)

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

(21) Appl. No.: **29/148,564**

(22) Filed: **Sep. 21, 2001**

Related U.S. Application Data

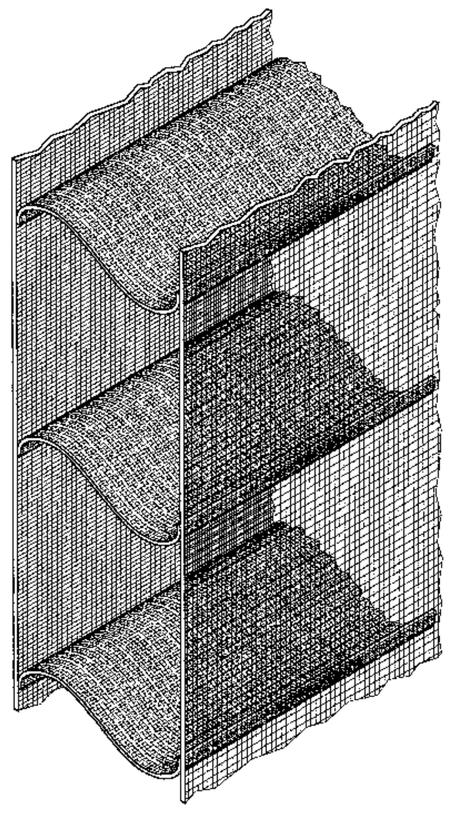
(63) Continuation of application No. 09/892,150, filed on Jun. 26, 2001, which is a continuation of application No. 09/608,492, filed on Jun. 30, 2000, now abandoned, which is a continuation of application No. 09/020,736, filed on Feb. 9, 1998, now Pat. No. 6,112,797, which is a continuation of application No. 08/485,051, filed on Jun. 7, 1995, now Pat. No. 5,718,799, which is a division of application No. 08/243,000, filed on May 16, 1994, now Pat. No. 6,001,199, which is a continuation of application No. 07/867,476, filed on Apr. 13, 1992, now abandoned, which is a division of application No. 07/701,165, filed on May 17, 1991, now Pat. No. 5,313,999, which is a continuation-in-part of application No. 07/602,998, filed on Oct. 24, 1990, now abandoned.

(51) **LOC (7) Cl.** **06-10**
(52) **U.S. Cl.** **D6/575**
(58) **Field of Search** ..... D6/575–580; 160/121.1, 160/84.01, 166.1 R, 84.05

(56) **References Cited**

U.S. PATENT DOCUMENTS

286,027	A	10/1883	Lodbell	
718,992	A	1/1903	Emery	
1,121,898	A	12/1914	Davis	160/265
1,764,789	A	6/1930	Heald	160/121.1 X
1,937,342	A	11/1933	Higbie	
1,958,695	A	5/1934	Claus	
2,029,675	A	2/1936	Schlamp	
2,056,823	A	10/1936	Brown	160/133
2,110,145	A	3/1938	Loehr	
2,140,049	A	12/1938	Grauel	
2,267,869	A	12/1941	Loehr	
2,571,372	A	10/1951	Martin	
2,620,850	A	12/1952	Janowski	154/1.6
2,620,869	A	12/1952	Friedman	
2,688,356	A	9/1954	Conti	154/1
2,822,840	A	2/1958	Reynolds et al.	144/279
2,834,412	A	5/1958	Velke	
2,856,324	A	10/1958	Janowski	
2,865,446	A	12/1958	Cole	
2,914,122	A	11/1959	Pinto	
2,994,370	A	8/1961	Pinto	160/89
3,032,099	A	5/1962	Croxen	160/168.1
3,111,163	A	11/1963	Nelson	
3,125,154	A	3/1964	Woodle	
3,141,497	A	7/1964	Griesser	160/170
3,170,505	A	2/1965	Lorentzen et al.	160/178.3 R X
3,299,943	A	1/1967	Poe	160/176.1
3,371,702	A	3/1968	Keegan et al.	
3,384,519	A	5/1968	Froget	156/65
3,386,489	A	6/1968	Denton et al.	160/322 X
3,421,276	A	1/1969	LaBarge	
3,509,934	A	5/1970	Smart	
3,540,975	A	11/1970	Wright et al.	
3,661,665	A	5/1972	Froget	156/65
3,682,752	A	8/1972	Hunter et al.	
3,701,376	A	10/1972	Froget	160/121
3,708,009	A	1/1973	Viol	
3,783,931	A	1/1974	Assael	
3,844,330	A	10/1974	Hyman	
3,851,699	A	12/1974	Shapiro	
3,860,056	A	1/1975	Bruneau	
3,916,973	A	11/1975	Schuppler et al.	160/178.3 R
3,946,789	A	3/1976	Ronkholz-Tolle	160/84.1 C X
3,999,590	A	12/1976	Koch	160/84.1
4,009,626	A	3/1977	Gressman	
4,019,554	A	4/1977	Rasmussen	
4,039,019	A	8/1977	Hopper	
4,052,521	A	10/1977	Ferrari	
4,137,111	A	1/1979	Hansen	156/65
4,182,088	A	1/1980	Ball	
4,194,550	A	3/1980	Hopper	160/107 X
RE30,254	E	4/1980	Rasmussen	156/578
4,202,395	A	5/1980	Heck et al.	
4,236,567	A	12/1980	Frentzel	160/178.3 R
4,309,472	A	1/1982	Gotting et al.	
4,332,288	A	6/1982	Frentzel et al.	
4,335,775	A	6/1982	Frentzel et al.	
4,344,474	A	8/1982	Berman	



4,377,431	A	3/1983	Chodosh		DE	8906284	9/1989
4,386,454	A	6/1983	Hopper	156/552 X	EP	029442	11/1984
4,397,704	A	8/1983	Frick		EP	220074	4/1987
4,434,834	A	3/1984	Ennes		EP	482793	4/1992
4,450,027	A	5/1984	Colson		EP	688935	12/1995
4,473,101	A	9/1984	Langeler		FR	319458	11/1902
4,475,579	A	10/1984	Bassett	160/178.3 R	FR	847779	10/1939
4,519,434	A	5/1985	Forquer		FR	1166398	11/1958
4,535,828	A	8/1985	Brockhaus	160/84.1	FR	1309194	10/1962
4,623,012	A	11/1986	Rude et al.	160/171 X	FR	1321456	2/1963
4,631,217	A	12/1986	Anderson		FR	1364674	5/1964
4,647,488	A	3/1987	Schnebly		FR	1373515	8/1964
4,673,018	A	6/1987	Judkins		FR	1381472	11/1964
4,685,986	A	8/1987	Anderson	160/84.1 X	FR	1465261	11/1966
4,687,038	A	8/1987	Clemente		FR	1480262	4/1967
4,694,543	A	9/1987	Conley		FR	1521488	3/1968
4,732,630	A	3/1988	Schnebly	156/64	FR	1526507	4/1968
4,799,299	A	1/1989	Campbell		FR	1585159	1/1970
4,815,581	A	3/1989	Deutschlander		FR	2095034	2/1972
4,826,555	A	5/1989	Long		FR	2180260	11/1973
4,858,668	A	8/1989	Toti	160/84.1 C	FR	2362264	3/1978
4,862,941	A	9/1989	Colson	160/84.1 D	FR	2398170	2/1979
4,884,612	A	12/1989	Schnebly et al.	160/121.1 X	GB	951484	3/1964
4,885,190	A	12/1989	Schnebly	427/207.1	GB	1036126	7/1966
4,895,611	A	1/1990	Bryniarski et al.		GB	1116934	9/1968
4,909,870	A	3/1990	Gould et al.		GB	1228677	4/1971
4,912,900	A	4/1990	Yeamans		GB	1494842	12/1977
4,915,153	A	4/1990	Toti	160/345 X	GB	1506438	2/1978
4,928,369	A	5/1990	Schnebley et al.		JP	51-136344	11/1976
4,948,445	A	8/1990	Hees		NL	6508988	1/1967
4,984,617	A	1/1991	Corey	160/84.1 D	NL	7805464	10/1978
5,002,628	A	3/1991	Schnebly		WO	8002712	12/1980
5,012,552	A	5/1991	Wulf		WO	9106237	5/1991
5,070,924	A	12/1991	Bateman				
5,106,444	A	4/1992	Corey et al.	160/84.1 X			
5,193,601	A	3/1993	Corey	160/84.1 D			
5,228,936	A	7/1993	Goodhue				
5,287,908	A	2/1994	Hoffmann et al.				
5,301,733	A	4/1994	Toti				
5,313,999	A	5/1994	Colson et al.				
5,320,154	A	6/1994	Colson et al.	160/121.1			
5,339,882	A	8/1994	Judkins				
5,339,883	A	8/1994	Colson et al.				
5,490,553	A	2/1996	Colson et al.				
5,638,880	A	6/1997	Colson et al.				
5,664,613	A	9/1997	Jelic				
5,714,034	A	2/1998	Goodhue				
5,718,799	A	2/1998	Colson et al.	156/578			
6,001,199	A	12/1999	Colson et al.	156/65			
6,112,797	A	9/2000	Colson et al.	160/121.1			

FOREIGN PATENT DOCUMENTS

AU	249985	5/1961
BE	672993	3/1966
CA	2090046	2/1993
CH	331432	9/1958
CH	423207	4/1967
CH	476482	9/1969
CH	494338	9/1970
DE	122088	4/1900
DE	382758	10/1923
DE	684202	11/1939
DE	1241361	7/1964
DE	1942674	3/1970
DE	1965360	8/1970
DE	7008554	10/1971
DE	2735654	2/1979
DE	2923233	12/1980
DE	2936811	4/1981
DE	3041983	9/1982
DE	3525515	1/1987

Primary Examiner—Mitchell Siegel
(74) *Attorney, Agent, or Firm*—Dorsey & Whitney LLP

(57) **CLAIM**

We claim the ornamental design for a fabric light control window covering, as shown.

DESCRIPTION

FIG. **1** is a top front isometric view of the fabric light control window covering of the present invention;

FIG. **2** is a left-side elevation of the covering shown in FIG. **1**.

FIG. **3** is a front elevation of the covering shown in FIG. **1** with the components of the covering behind the front sheet not being illustrated.

FIG. **4** is a rear elevation of the covering shown in FIG. **1** not showing the components of the covering in front of the rear sheet.

FIG. **5** is a right-side elevation of the covering shown in FIG. **1**.

FIG. **6** is a top plan view of the covering shown in FIG. **1**.

FIG. **7** is a bottom plan view of the covering shown in FIG. **1**.

FIG. **8** is a front elevation of the covering shown in FIG. **1** showing not only the front sheet but the components of the covering behind the front sheet.

FIG. **9** is a rear elevation of the covering shown in FIG. **1** showing not only the rear sheet but the components of the covering in front of the rear sheet.

FIG. **10** is an isometric view similar to FIG. **1** of a second embodiment of the covering of the present invention wherein the back sheet has interstices that are oriented differently from the back sheet of the covering shown in FIG. **1**.

FIG. **11** is a rear elevation of the covering shown in FIG. **10** with the components in front of the rear sheet not being illustrated.

FIG. **12** is a front elevation of the covering shown in FIG. **10** with the components of the covering behind the front sheet being shown.

FIG. **13** is a rear elevation of the covering shown in FIG. **10** with the components in front of the rear sheet being illustrated. The left and right-side elevations, as well as the top and bottom plan views, are identical to those shown in FIGS. **2, 5, 6,** and **7,** respectively.

FIG. **14** is an isometric view of the covering of the present invention similar to FIG. **1** wherein the front and rear sheets are identical to FIG. **1** but wherein the vanes are a non-fabric material such as vinyl.

FIG. **15** is a top-plan view of the covering shown in FIG. **14**.

FIG. **16** is a bottom-plan view of the covering shown in FIG. **14**.

FIG. **17** is a front elevation of the covering shown in FIG. **14** with the components behind the front sheet being illustrated.

FIG. **18** is a rear elevation of the covering shown in FIG. **14** with the components in front of the rear sheet being illustrated. The left and right-side elevations would be identical to those shown in FIGS. **2** and **5**, respectively, except that the vane material is different.

FIG. **19** is an isometric view similar to FIG. **14** illustrating still another embodiment wherein the rear sheet has interstices that are oriented differently than those of the rear sheet in FIG. **14**.

FIG. **20** is a front elevation of the embodiment shown in FIG. **19** with the components behind the front sheet being illustrated.

FIG. **21** is a rear elevation of the covering shown in FIG. **19** with the components in front of the rear sheet being illustrated. The left and right side elevations as well as the top and bottom plan views are identical to those in FIGS. **2, 5, 6,** and **7,** respectively, except that the vane material is different.

FIG. **22** is a left-side elevation of the embodiment shown in FIG. **1** with the covering in a partially closed position; and,

FIG. **23** is a left-side elevation of the covering shown in FIG. **1** with the covering shown in a closed position.

1 Claim, 18 Drawing Sheets

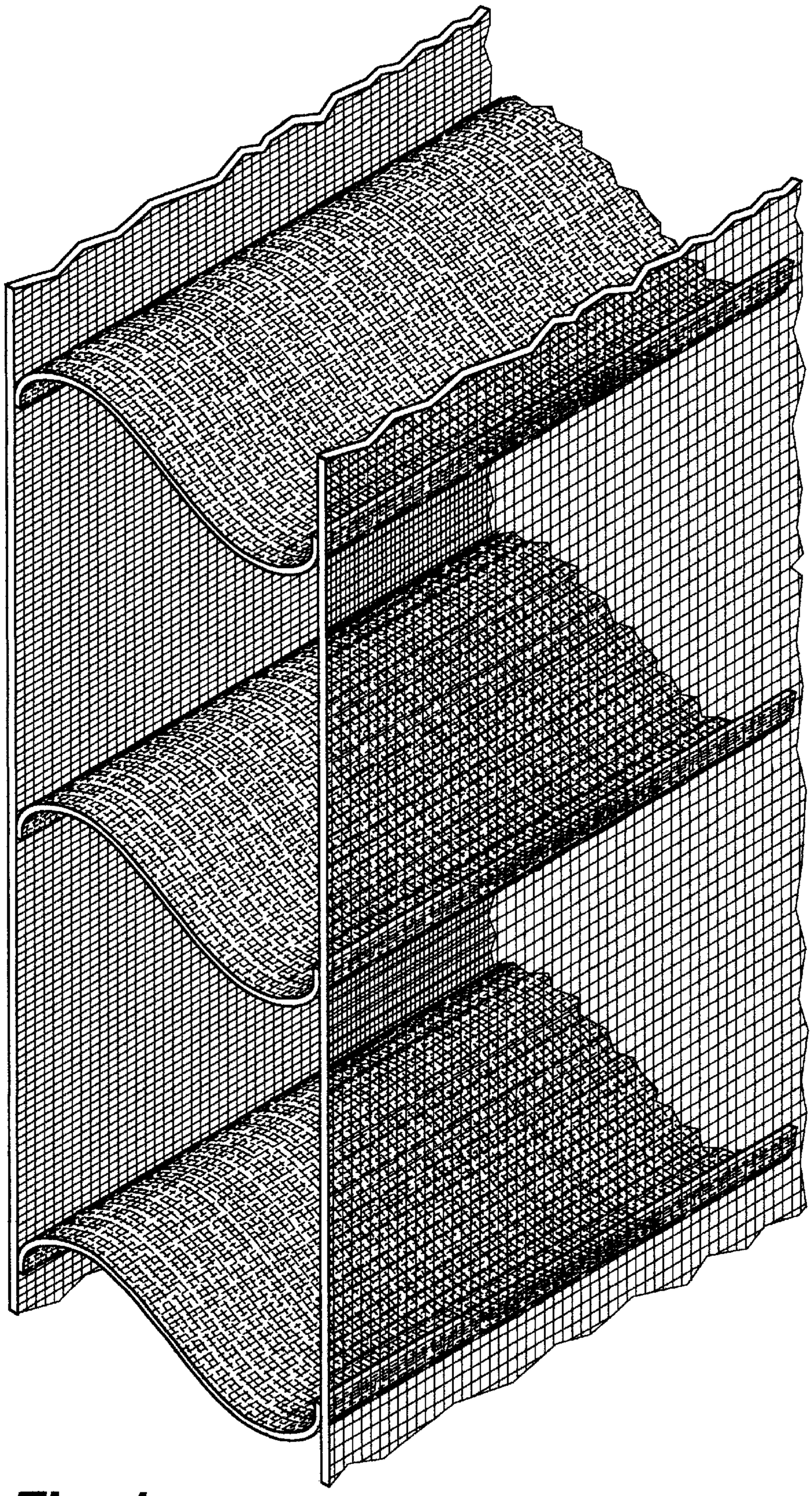


Fig. 1

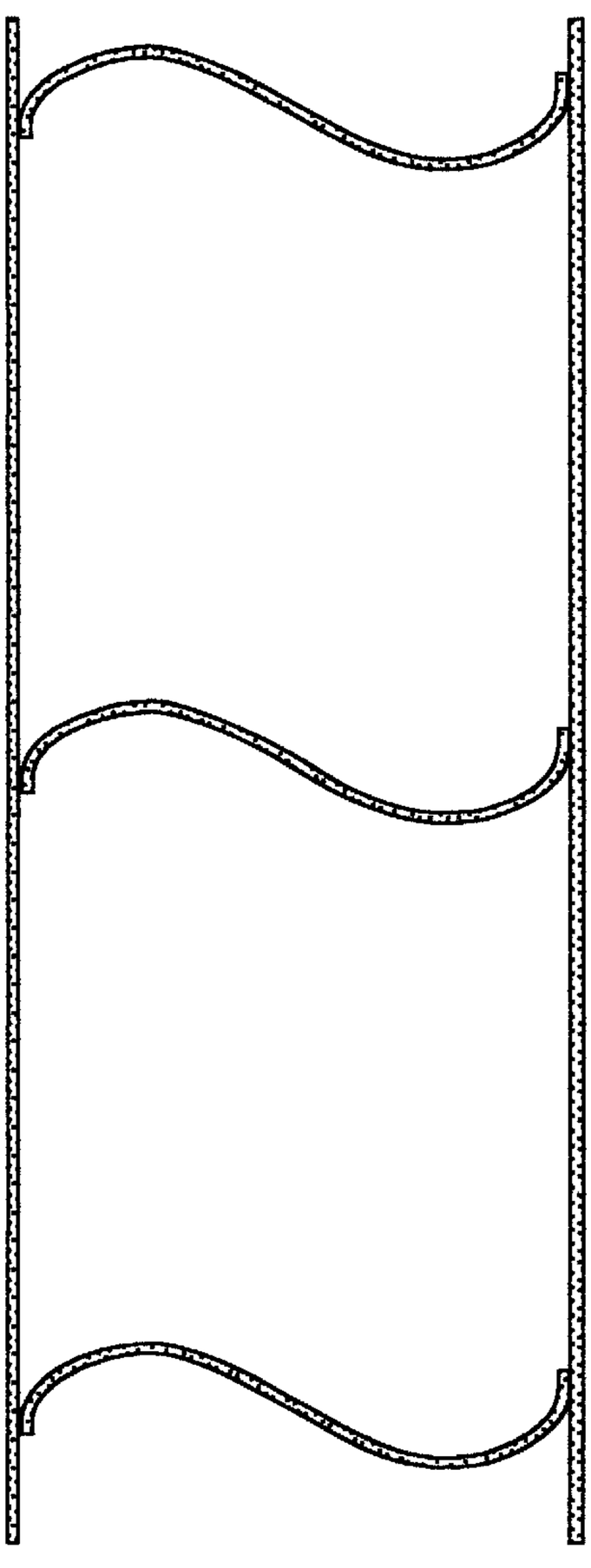


Fig. 2

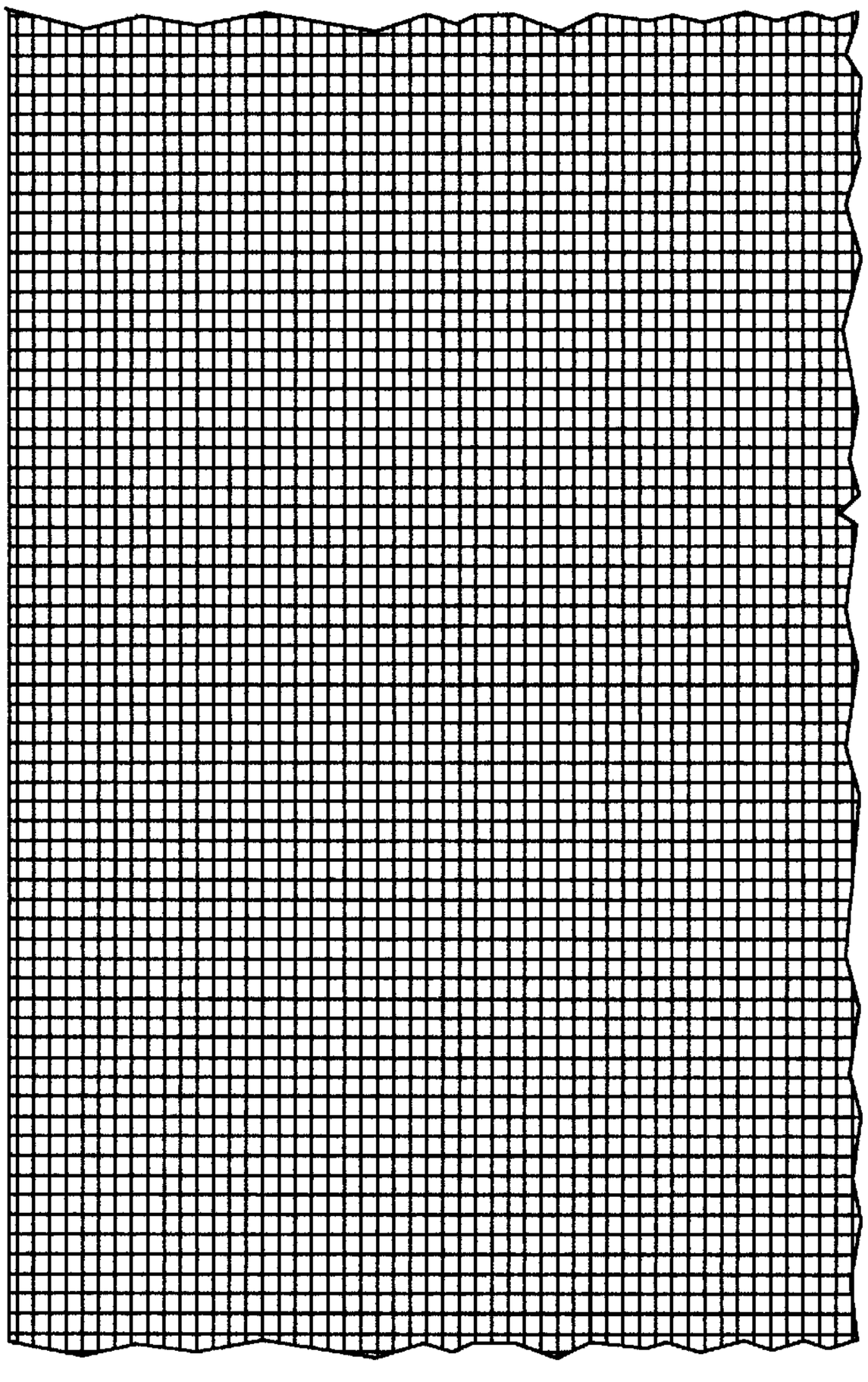


Fig. 3

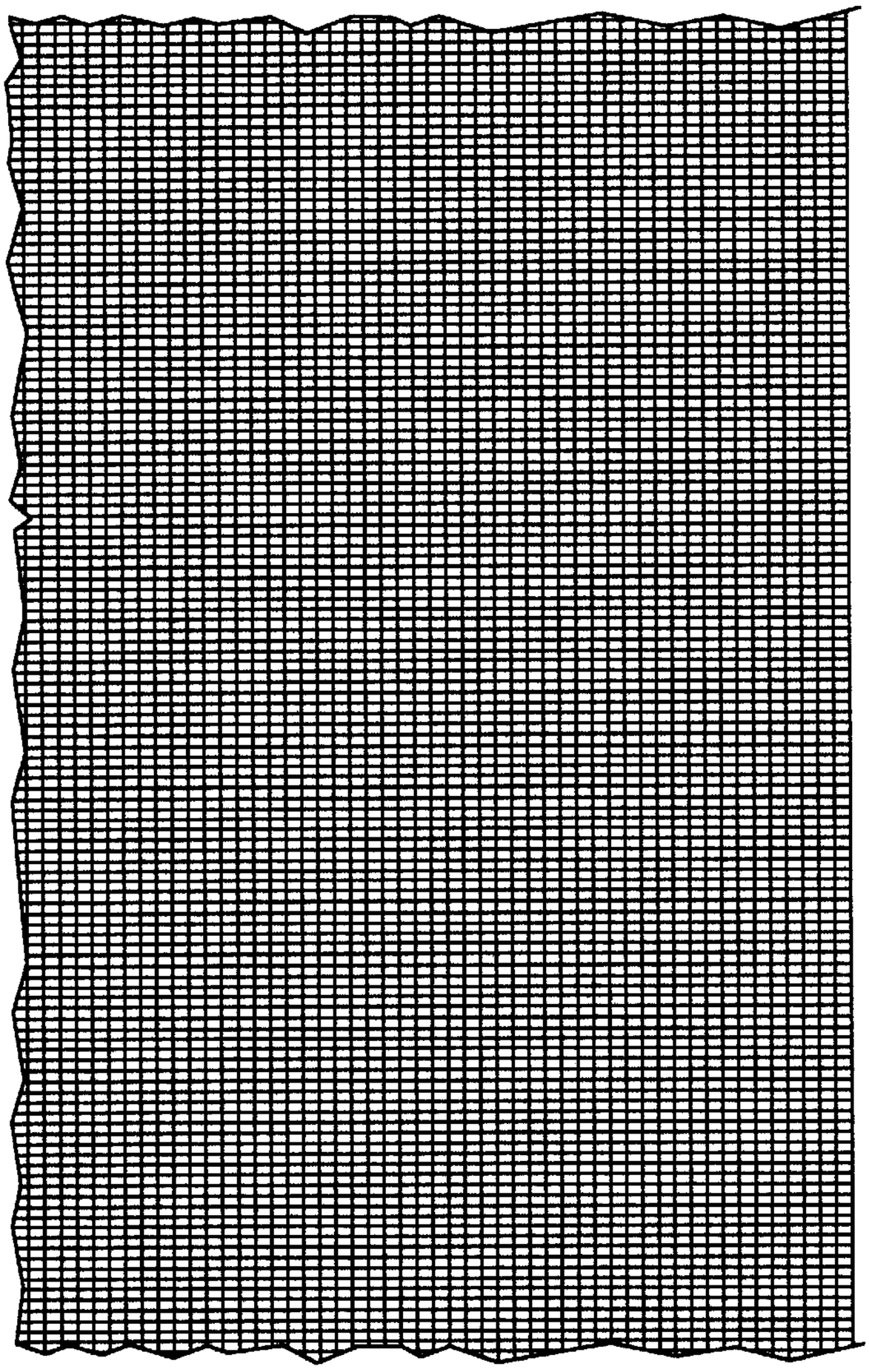


Fig. 4

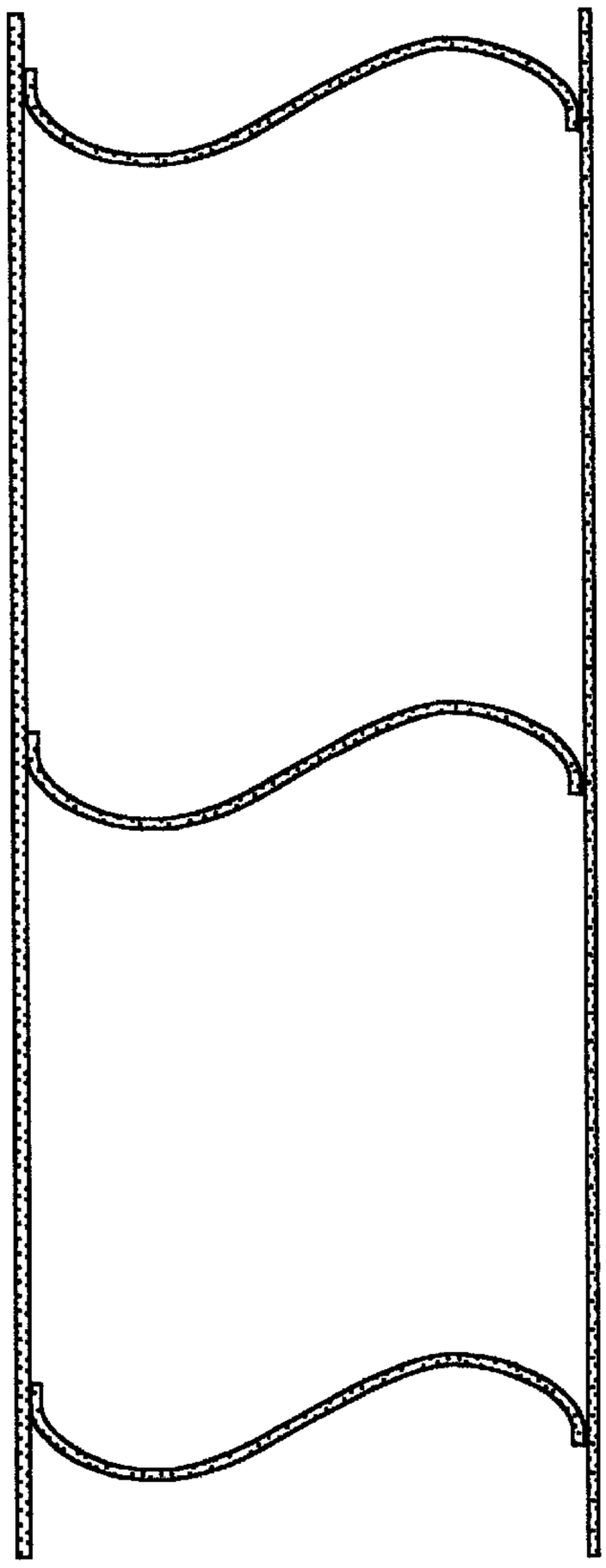


Fig. 5

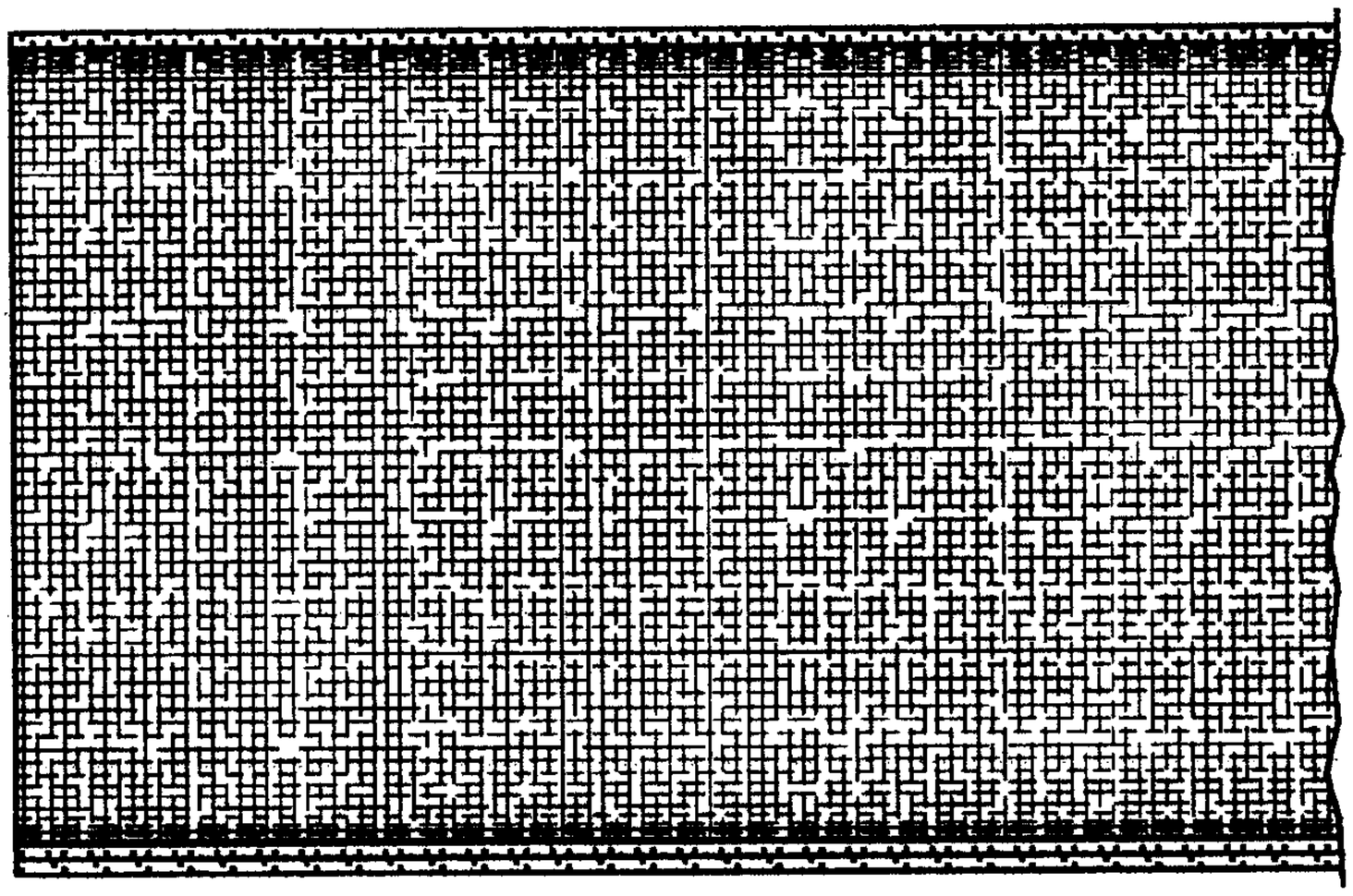


Fig. 6

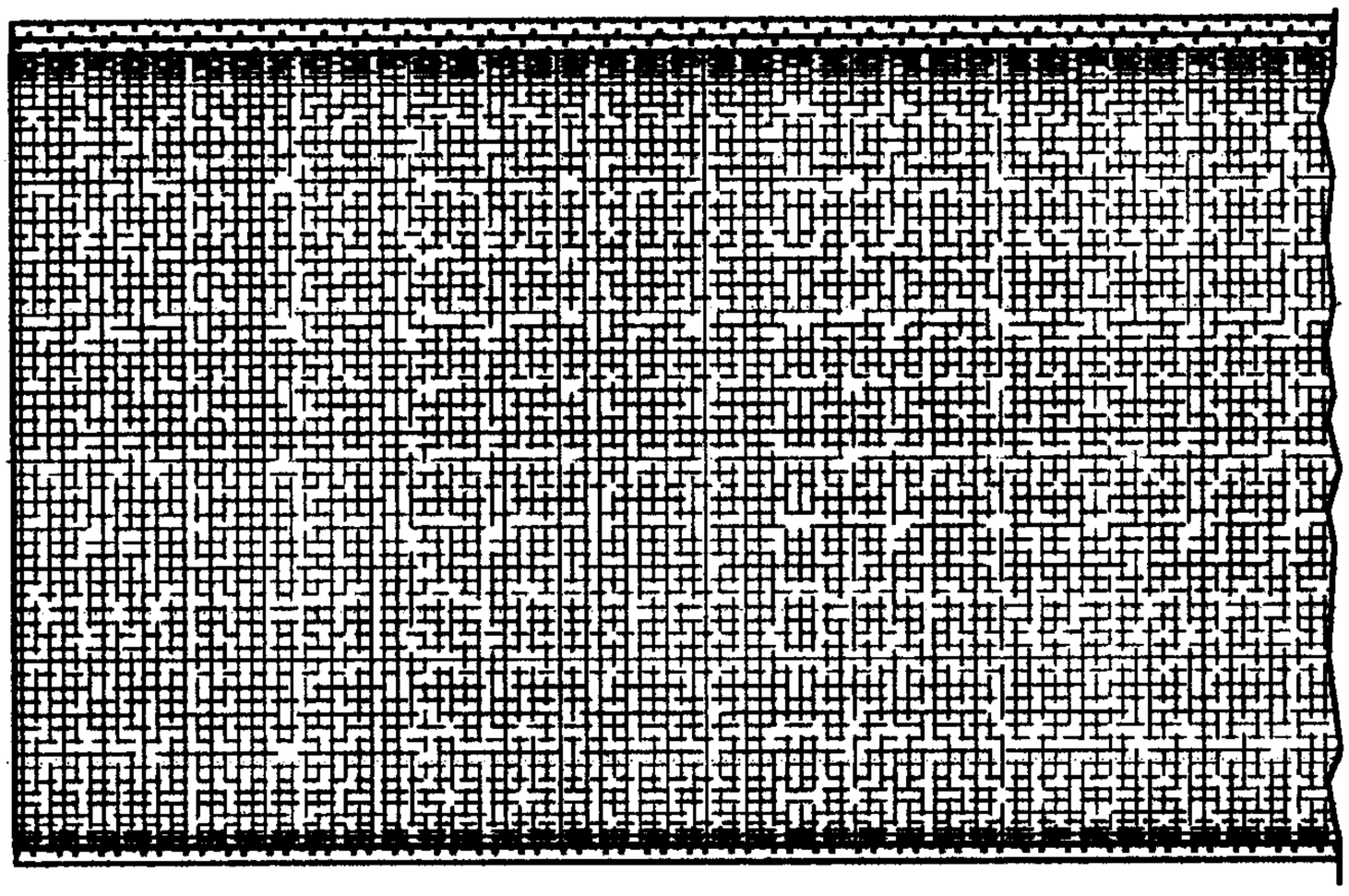


Fig. 7

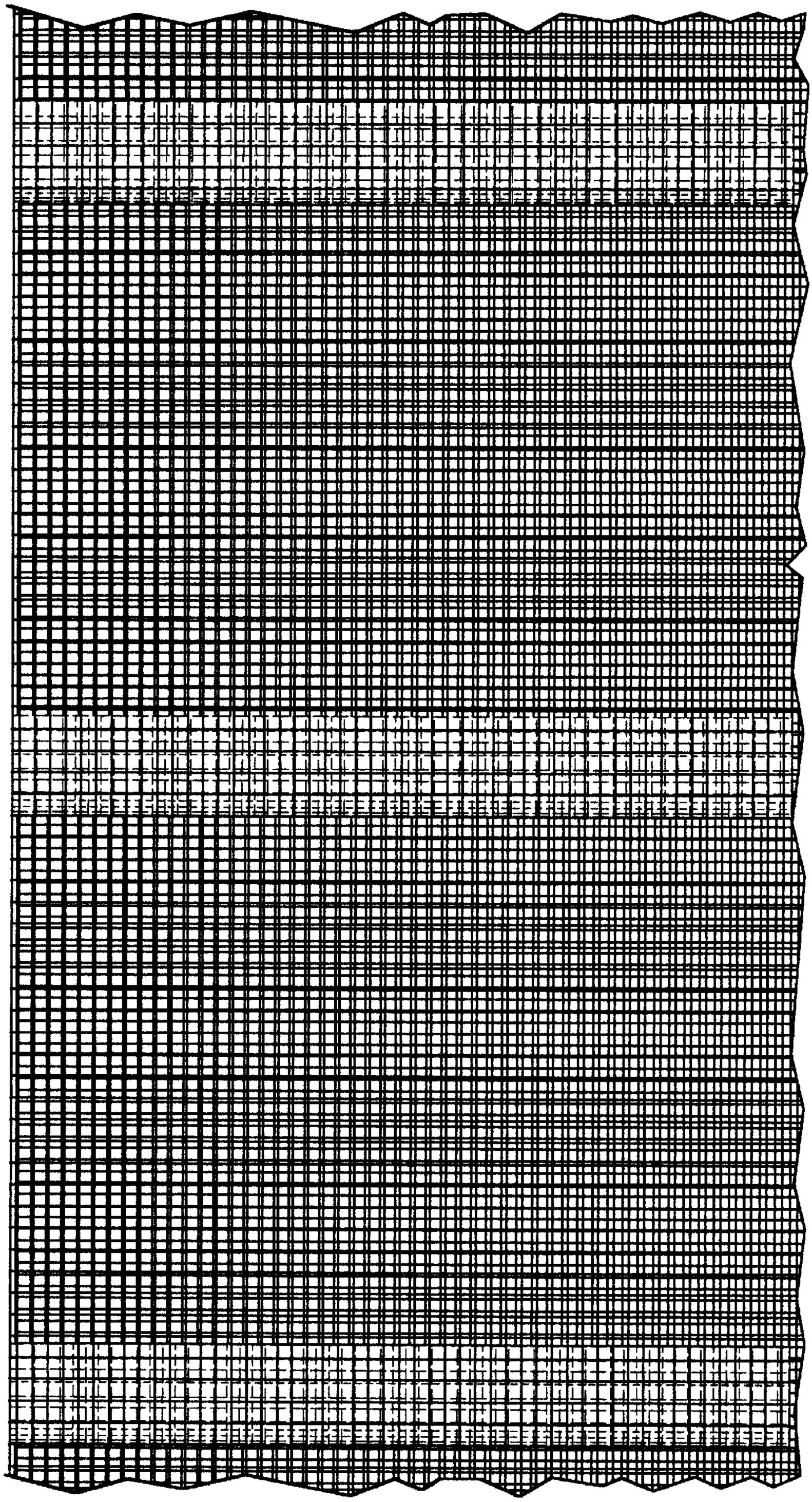


Fig. 8

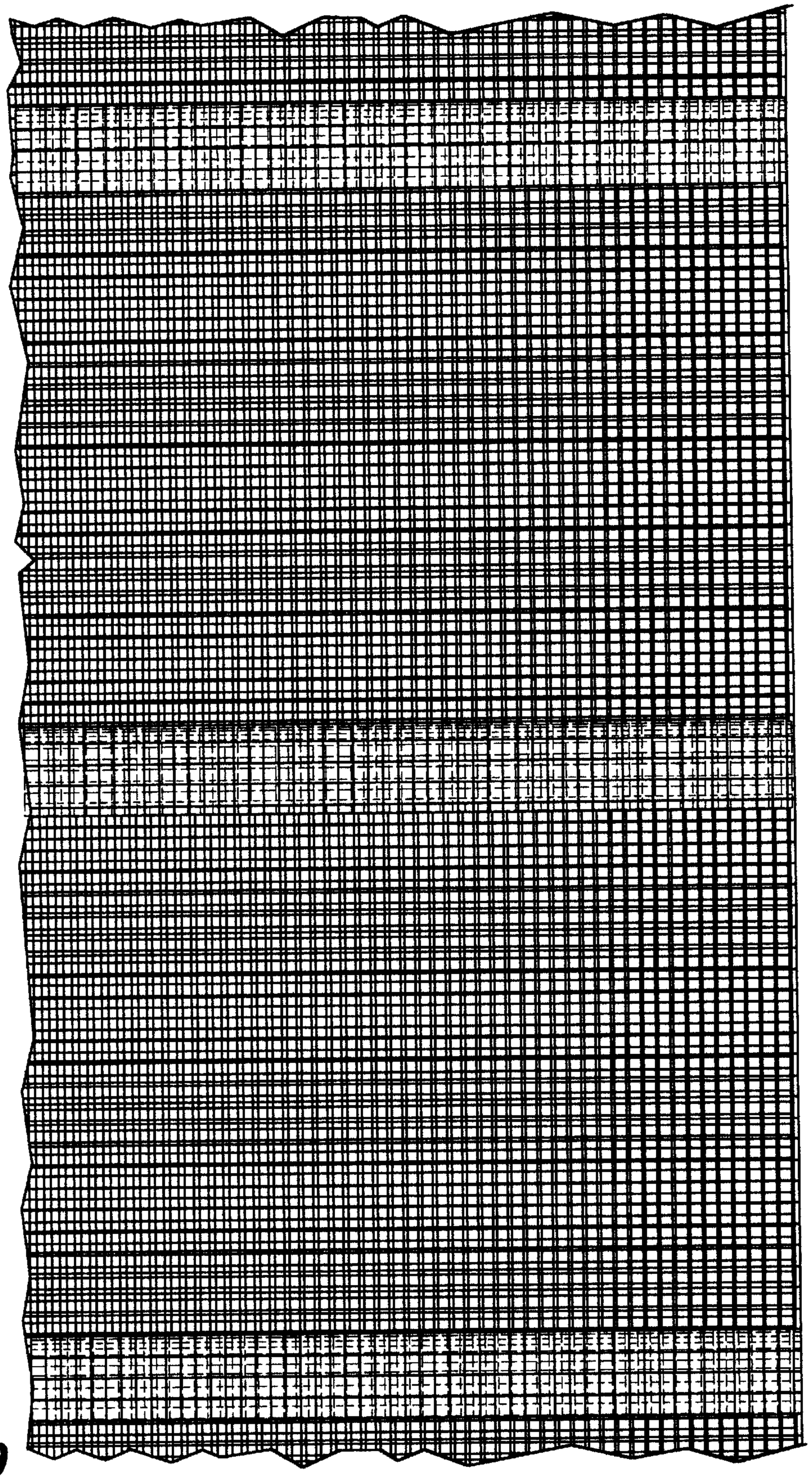


Fig. 9

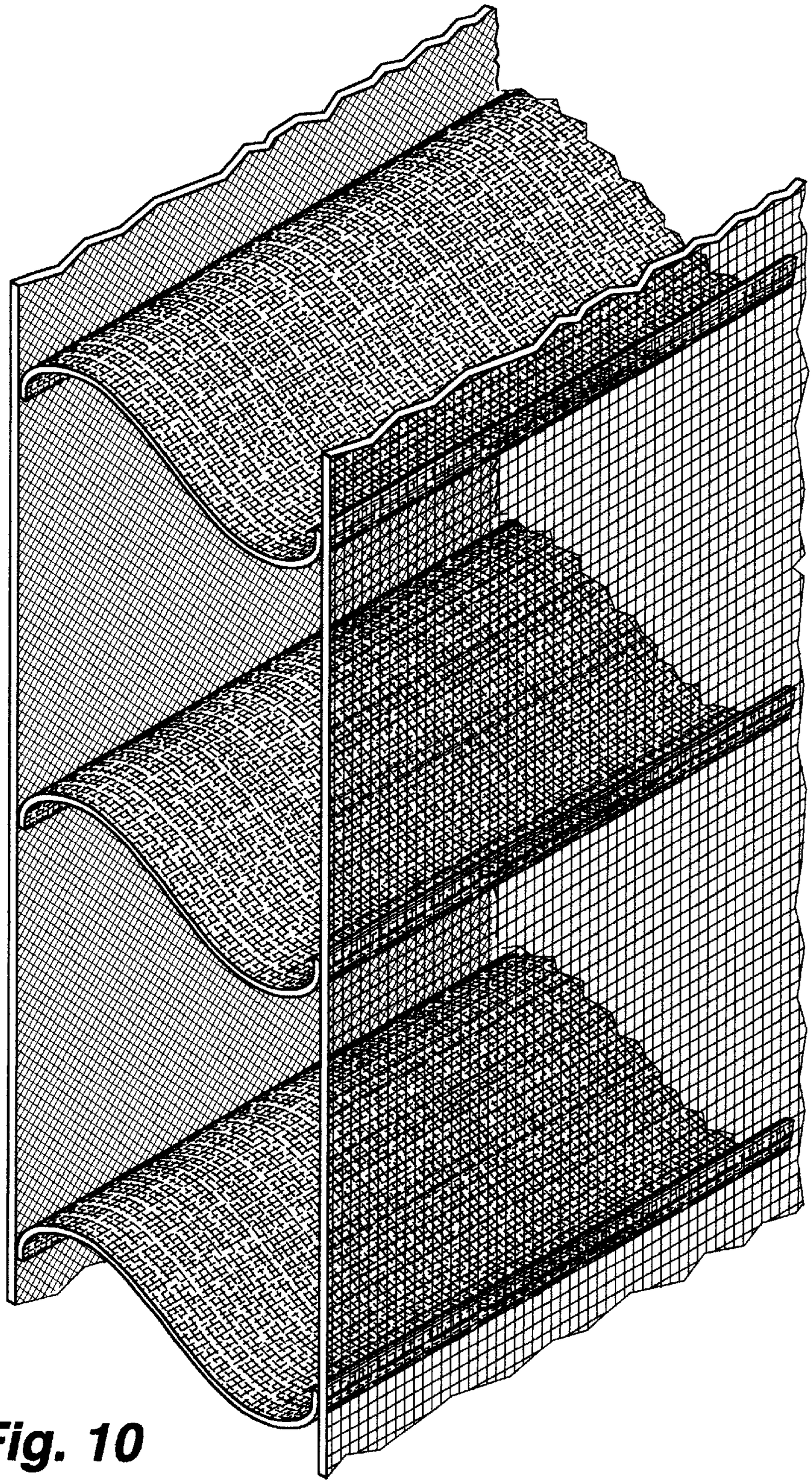


Fig. 10

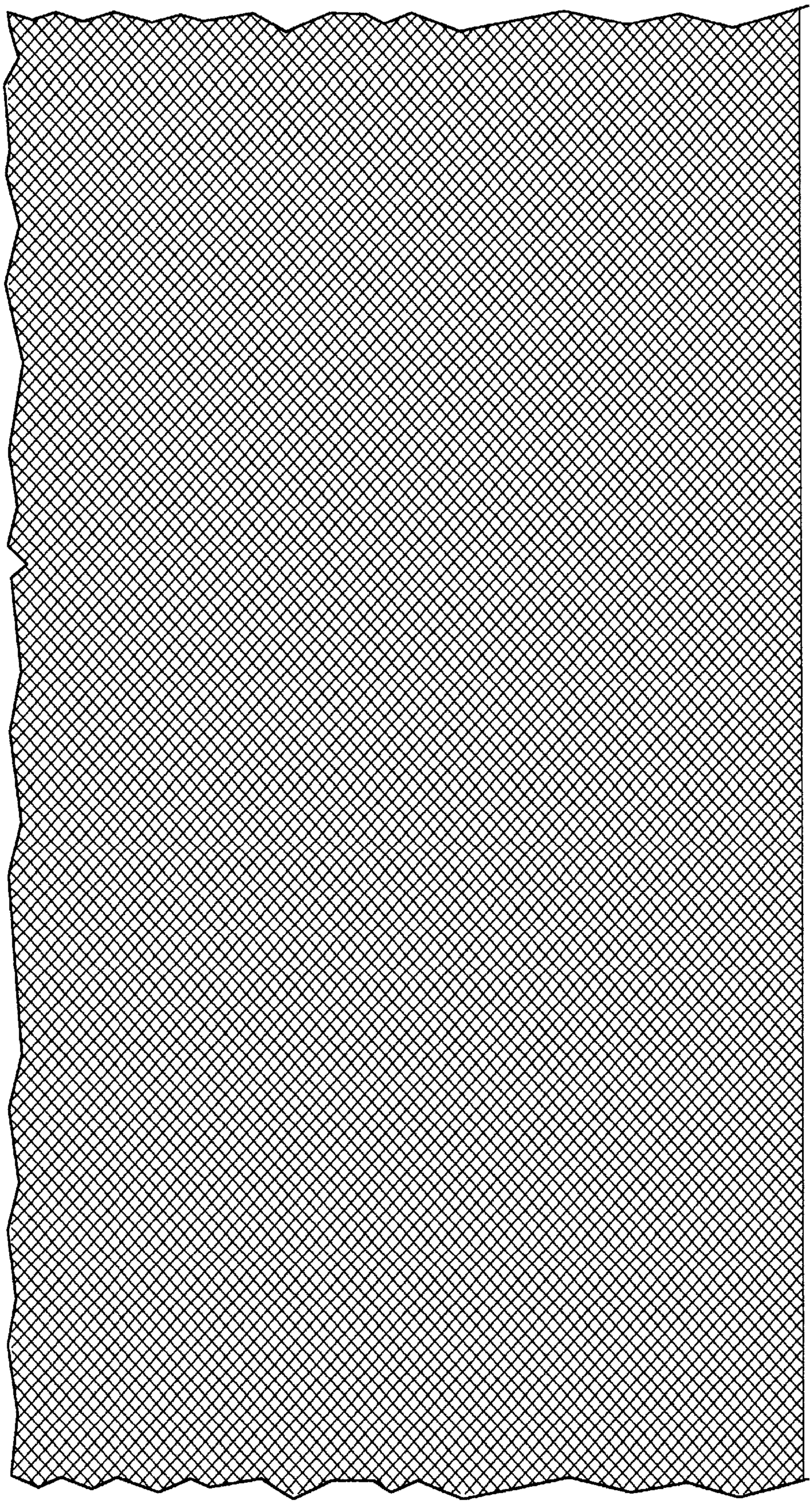


Fig. 11

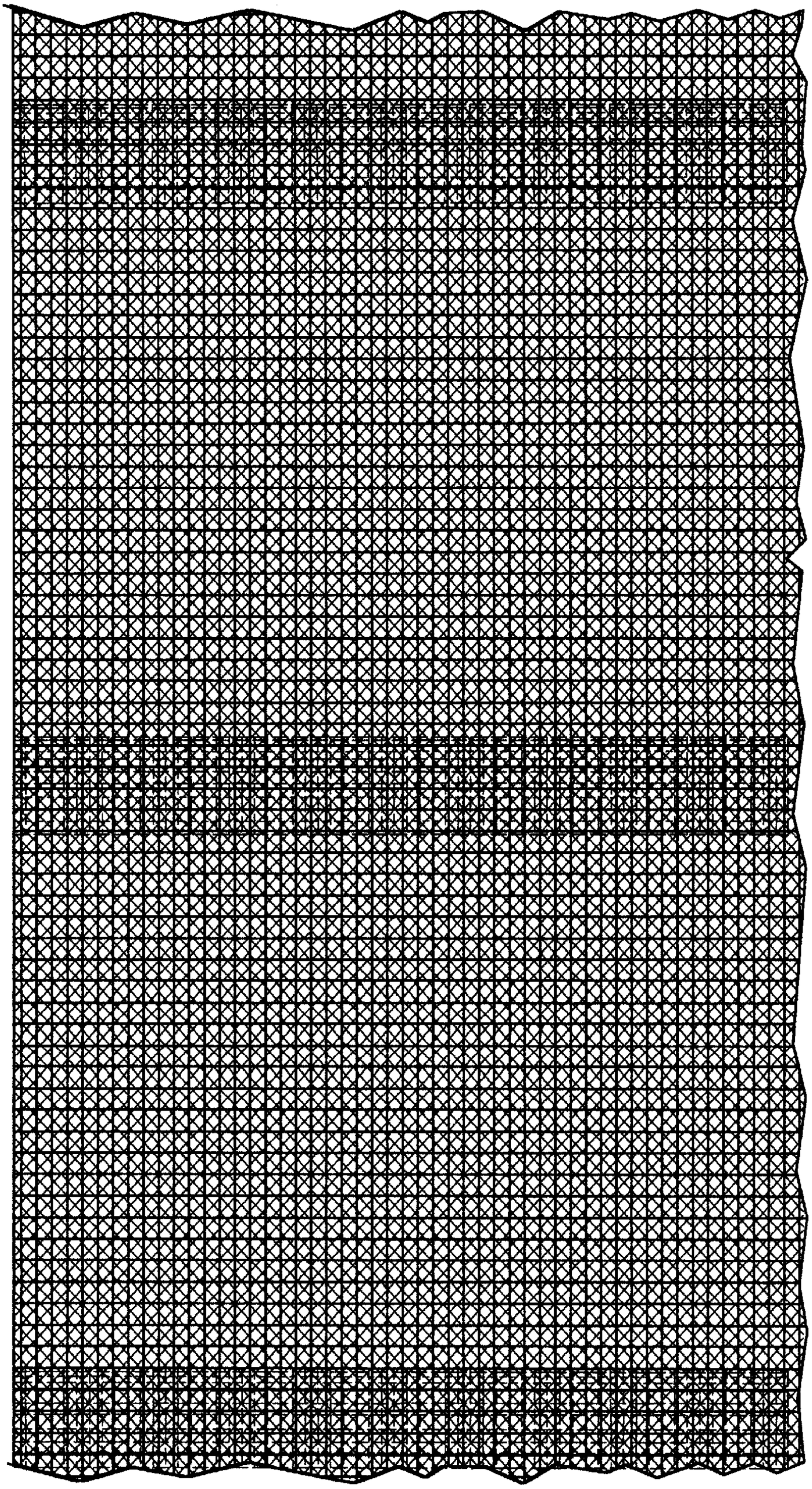


Fig. 12

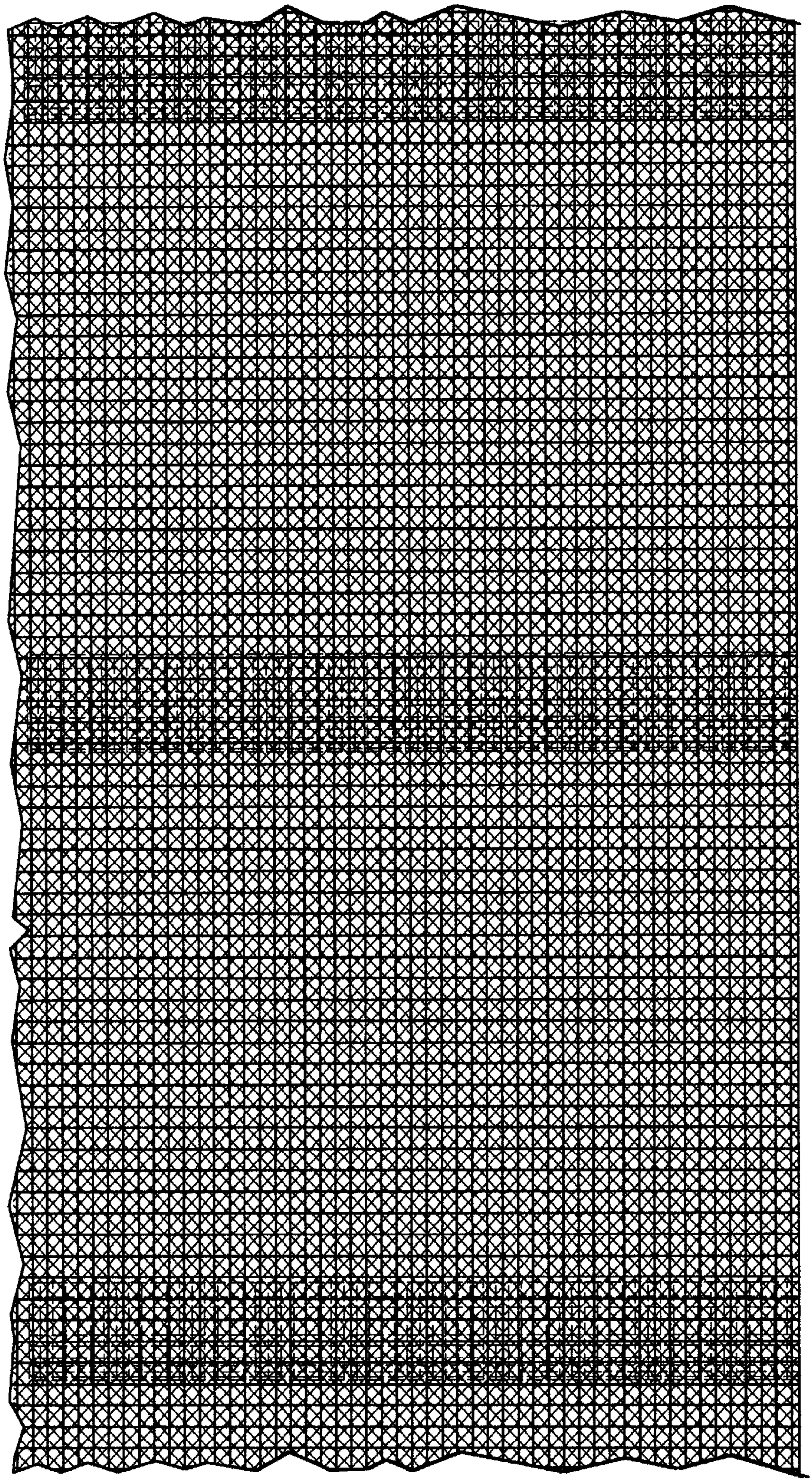


Fig. 13

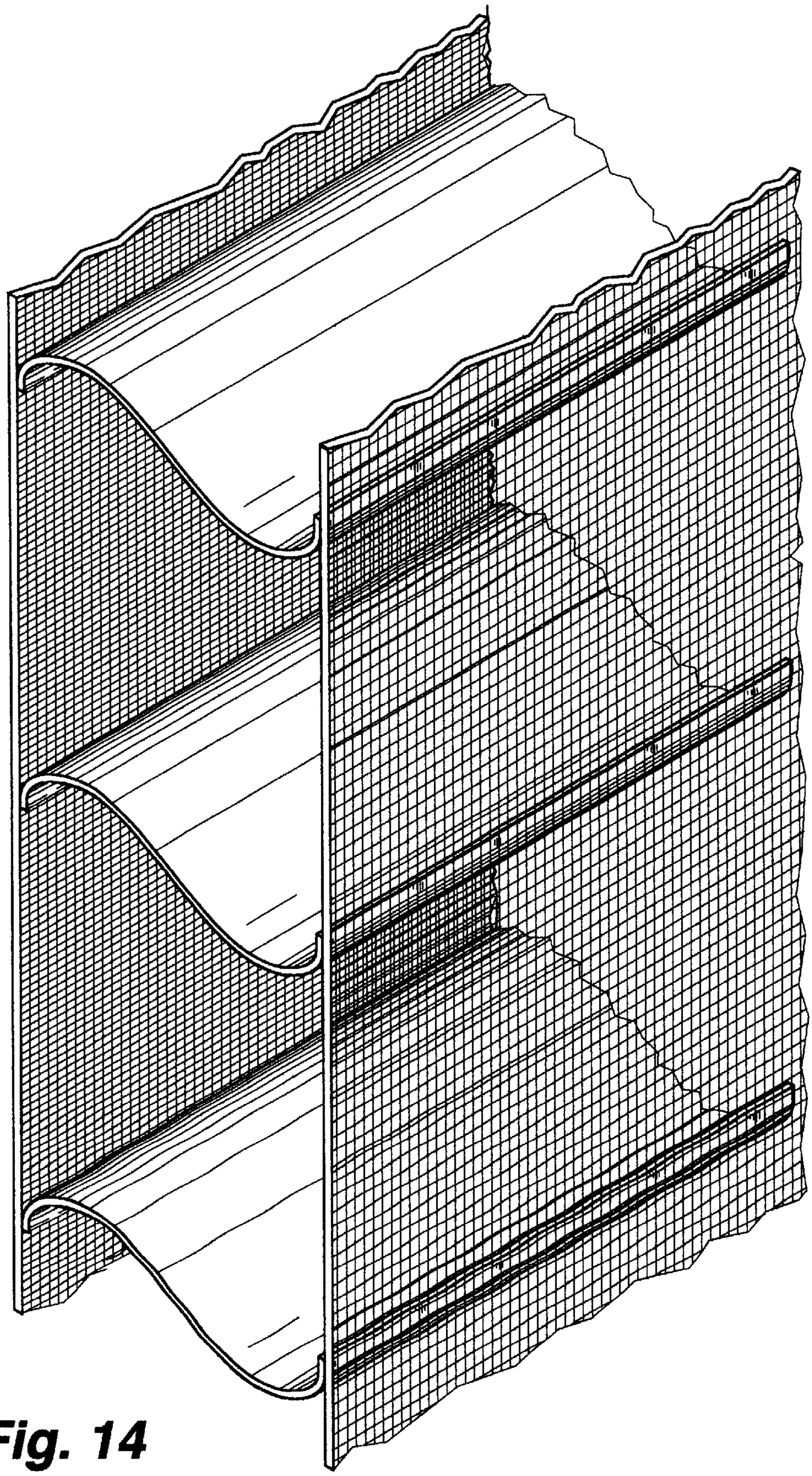


Fig. 14

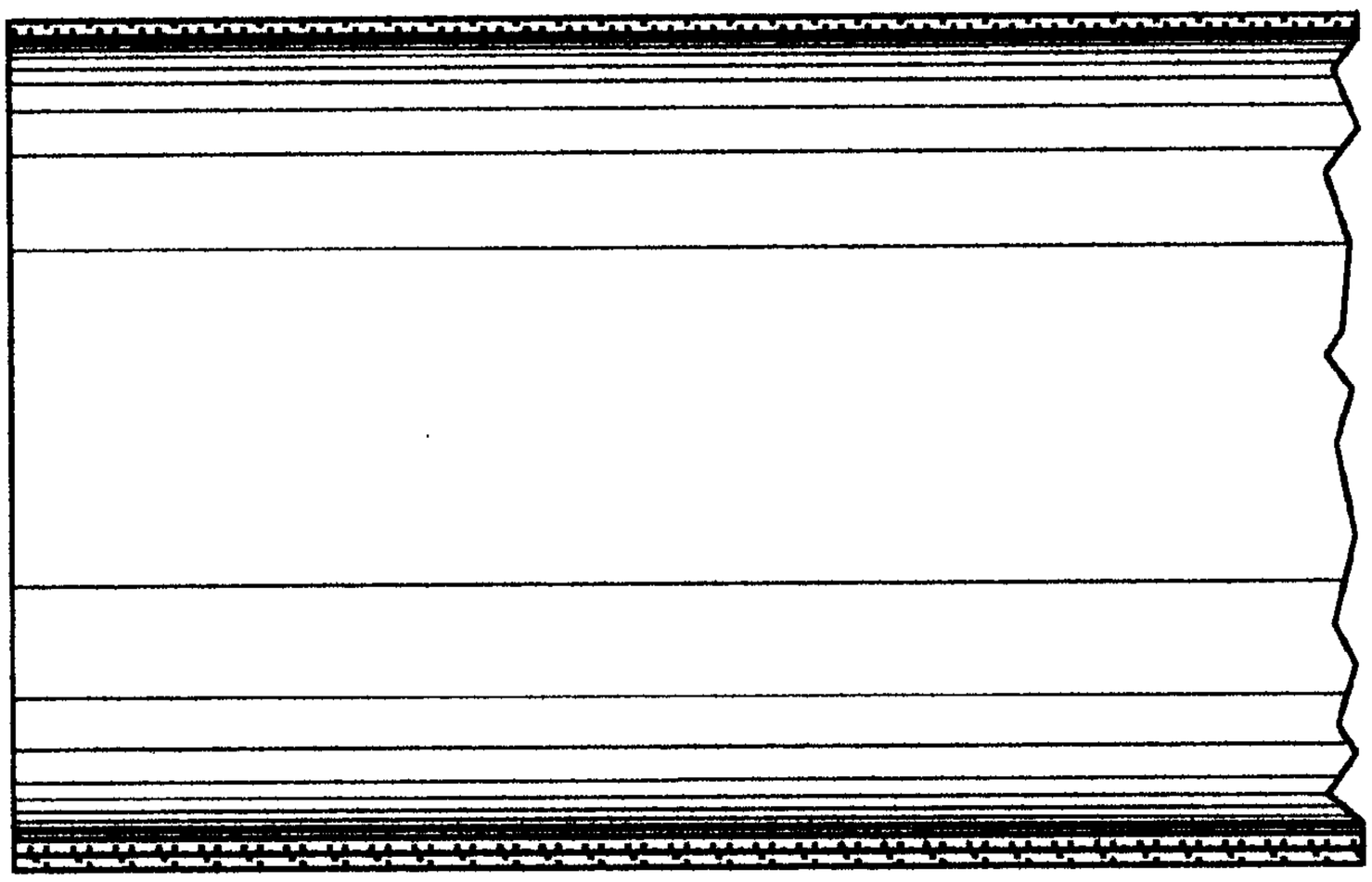


Fig. 15

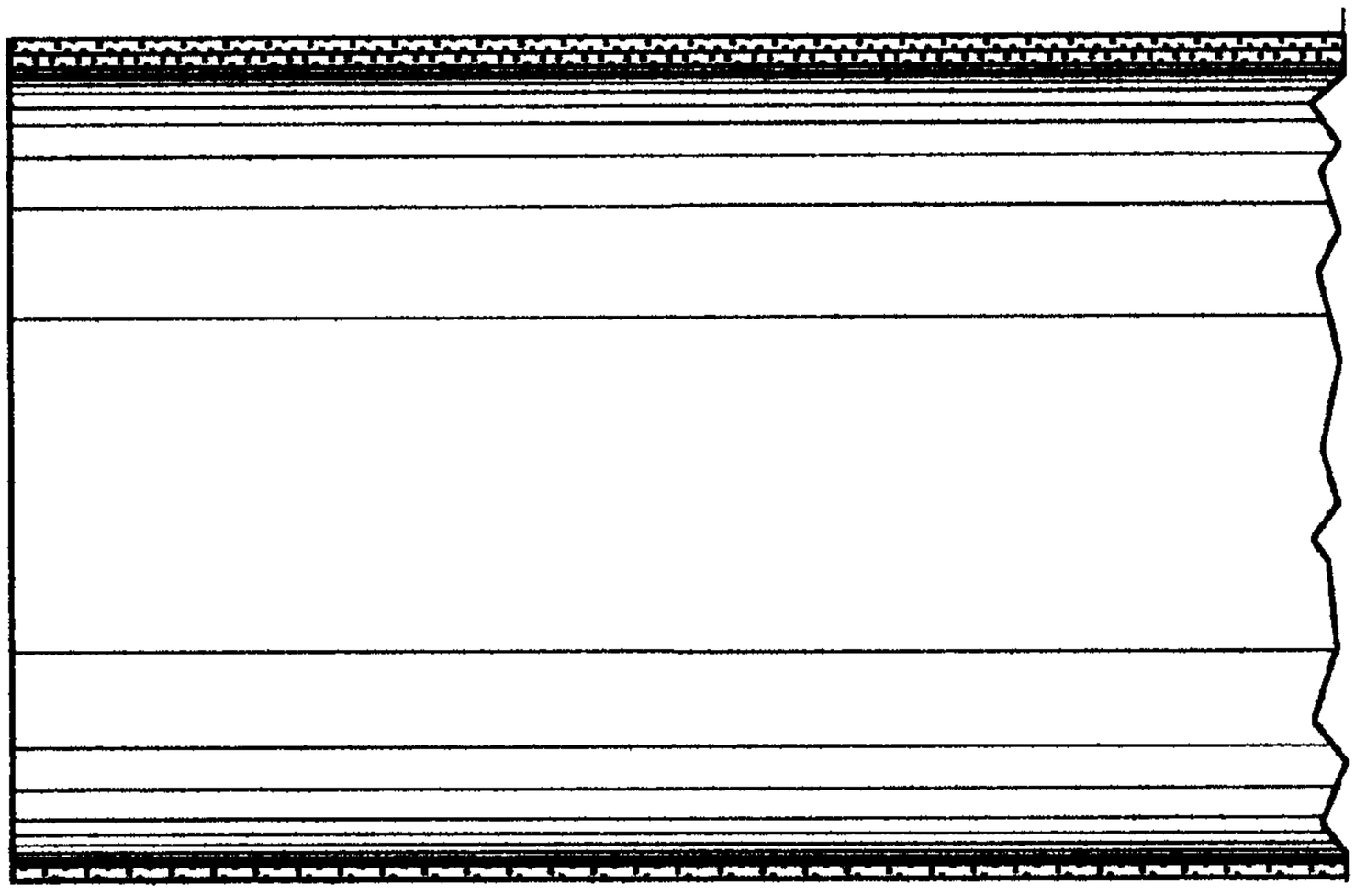


Fig. 16

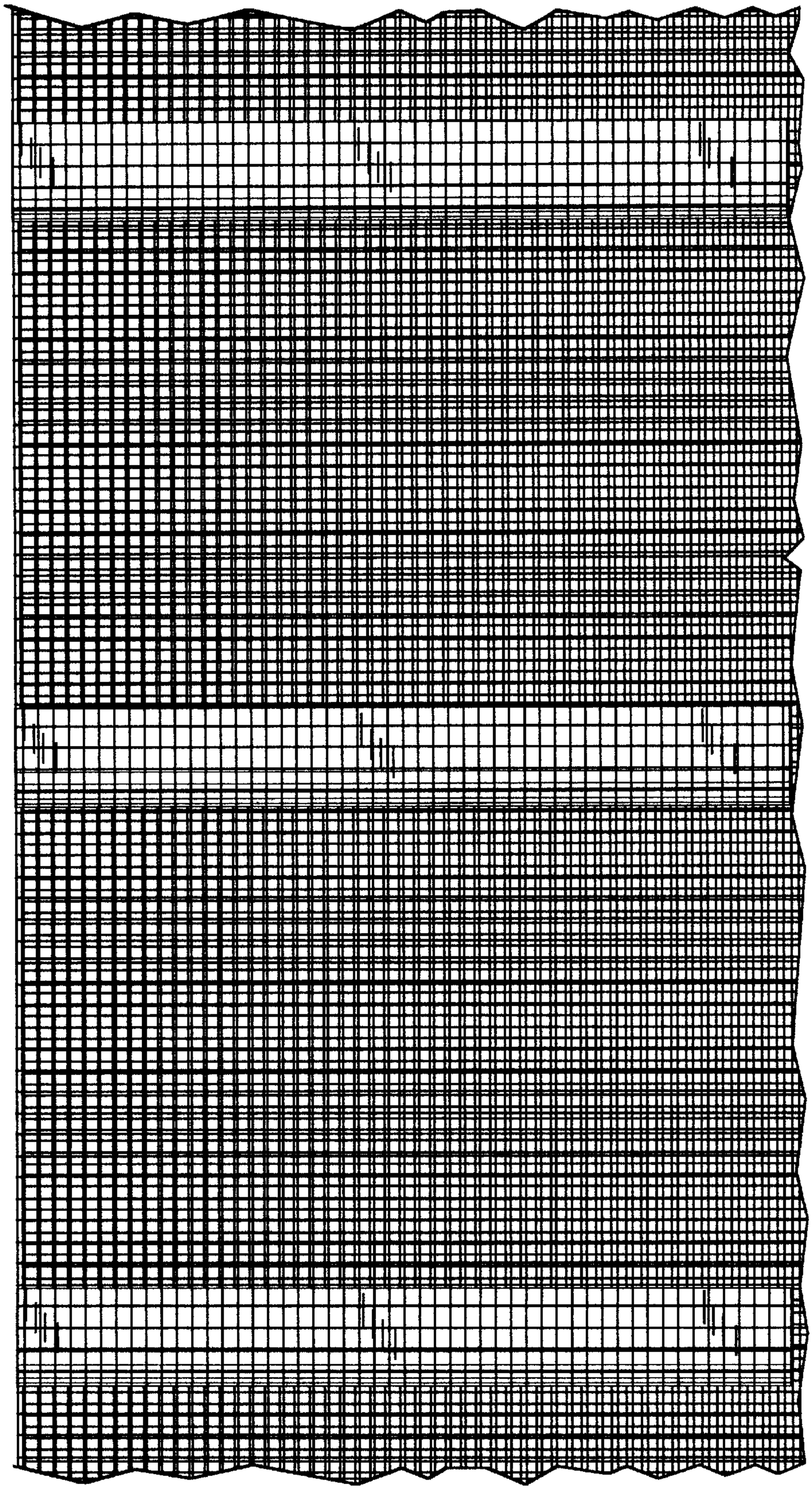


Fig. 17

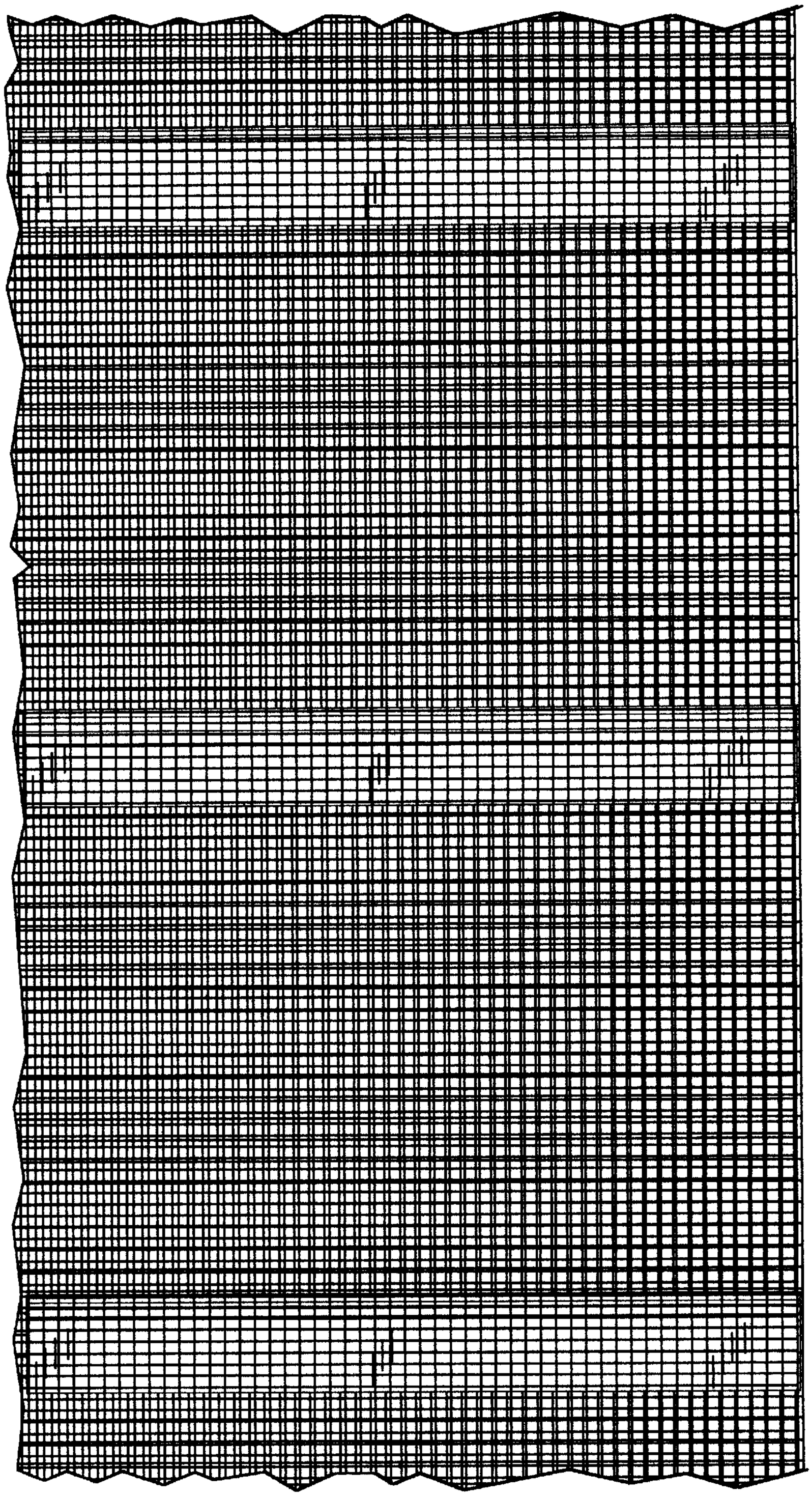


Fig. 18

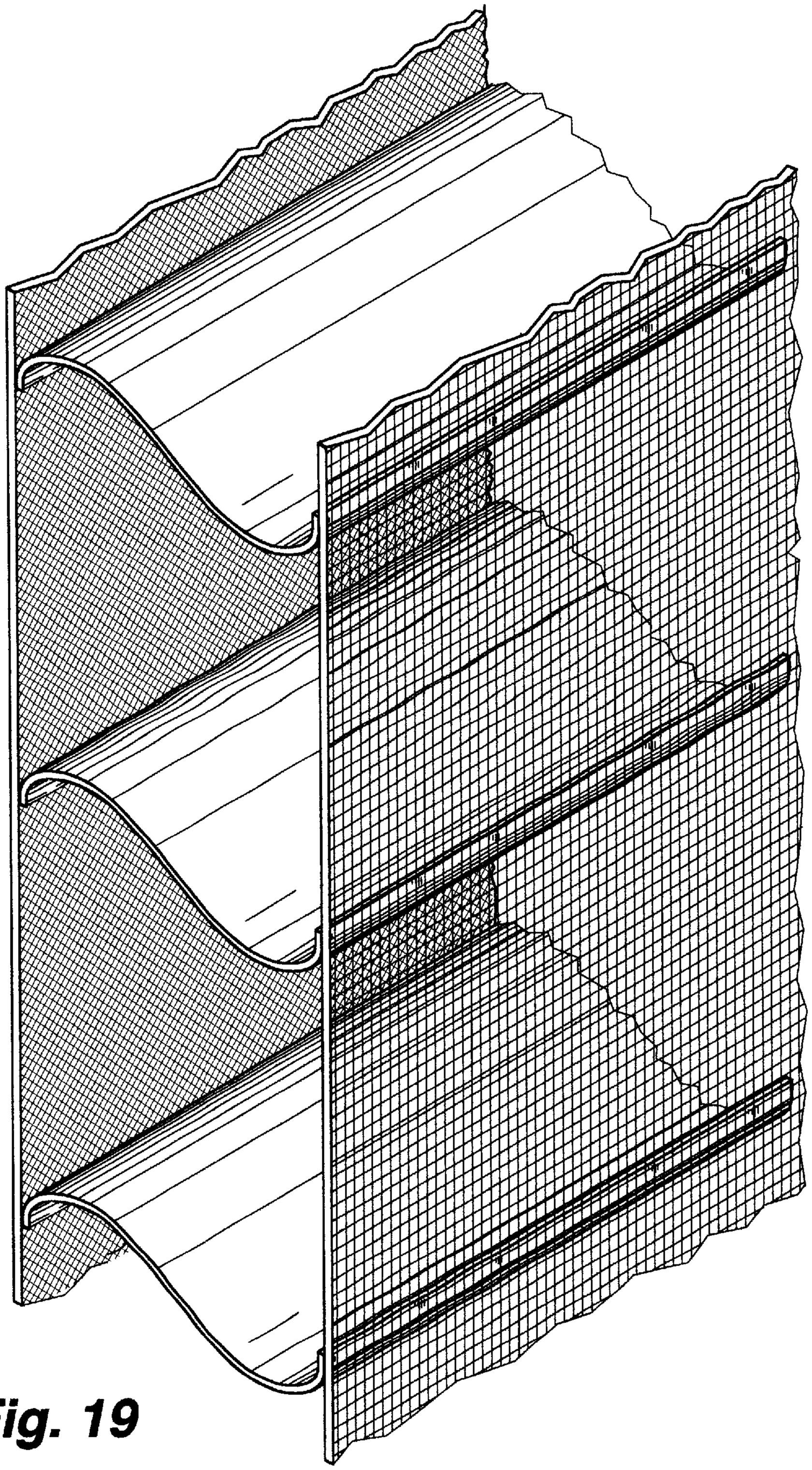


Fig. 19

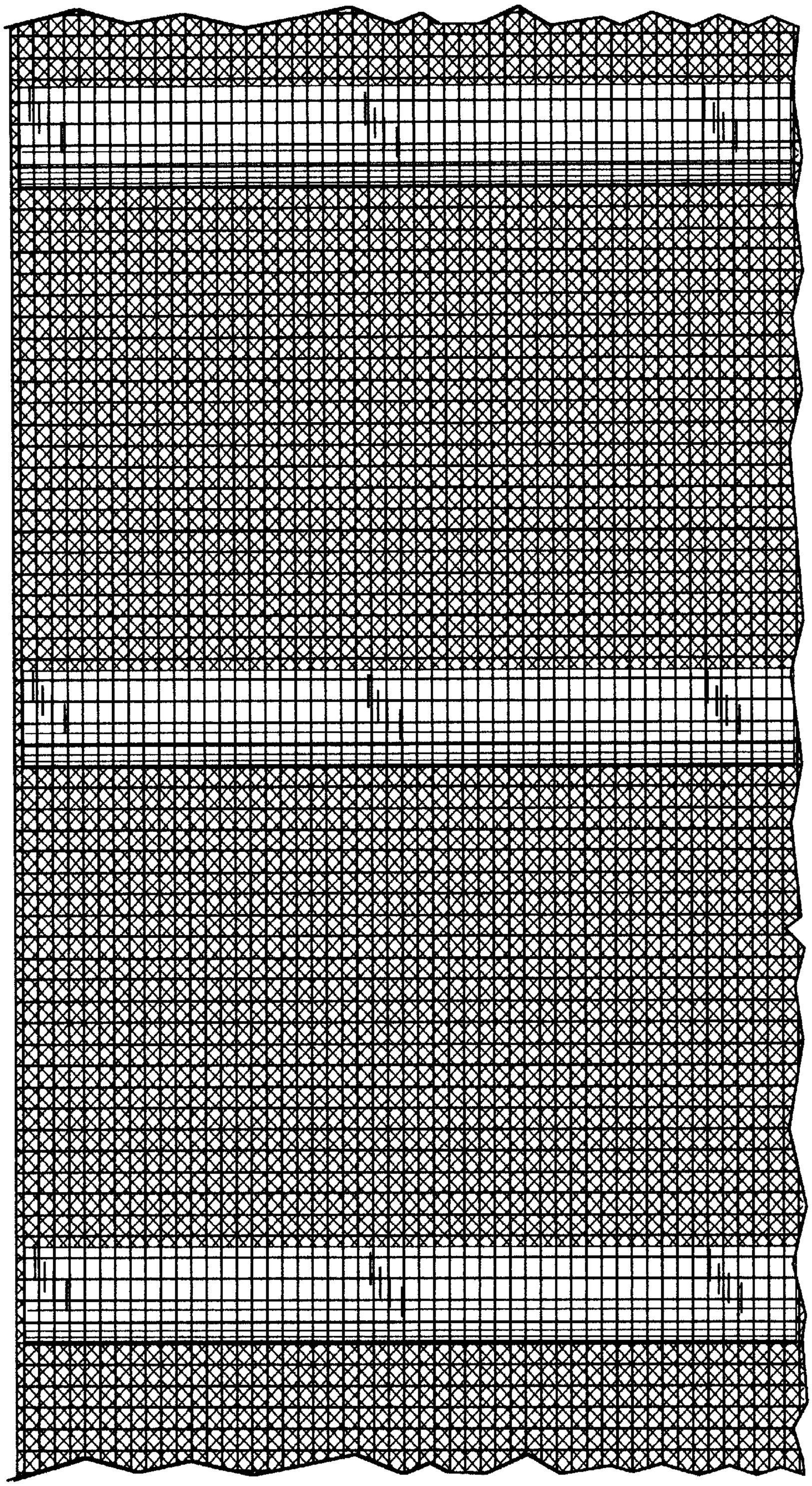


Fig. 20

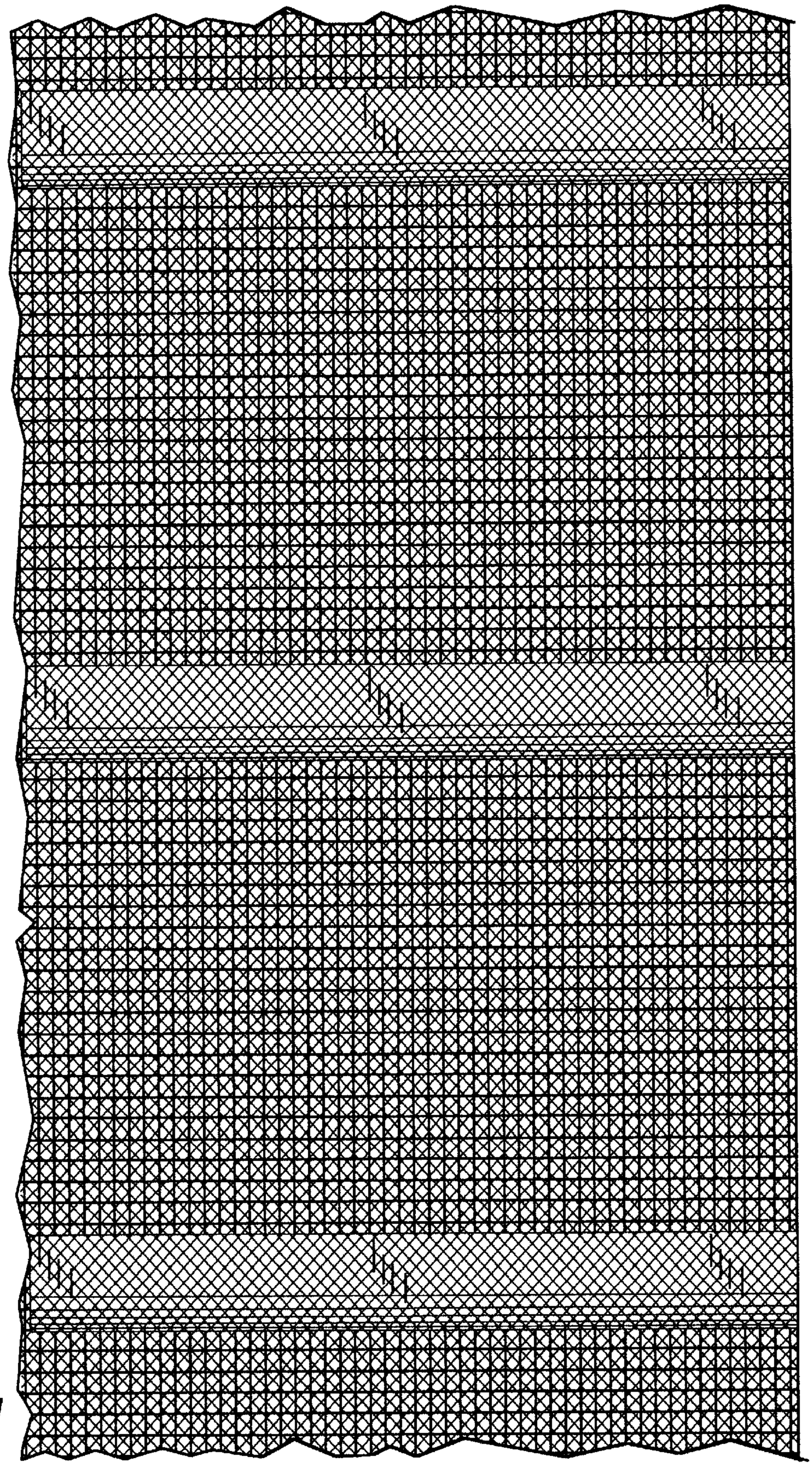


Fig. 21

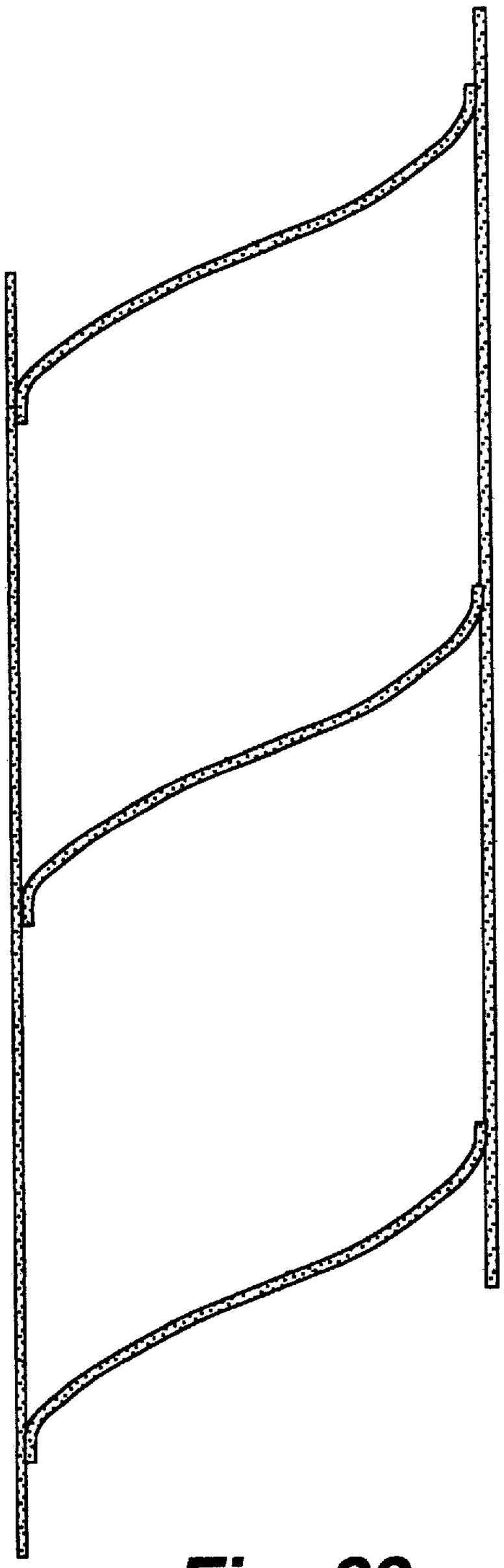


Fig. 22

Fig. 23