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

(10) **Patent No.:** **US D640,916 S**

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(54) **RETROFITABLE VALLEY TRUSS CLIP**

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(73) Assignee: **Simpson Strong-Tie Company, Inc.**, Pleasanton, CA (US)

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

(21) Appl. No.: **29/345,217**

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(51) **LOC (9) Cl.** **08-08**

(52) **U.S. Cl.** **D8/382**

(58) **Field of Classification Search** D8/382,
D8/349, 354, 373; 403/169, 167; 248/300,
248/309.1; 52/702, 712

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,666,238	A	1/1954	Hagerdorn	
3,420,019	A	1/1969	Padilla	
3,481,635	A	12/1969	Tracy	
3,596,941	A	8/1971	Tracy	
3,727,358	A	4/1973	Howell	
3,989,398	A	11/1976	Wendt	
4,230,416	A	10/1980	Gilb	
4,291,996	A	9/1981	Gilb	
4,410,294	A	10/1983	Gilb et al.	
4,413,456	A	11/1983	Gilb	
4,414,785	A	11/1983	Howell	
4,423,977	A	1/1984	Gilb	
4,498,801	A	2/1985	Gilb	
4,560,301	A	12/1985	Gilb	
4,665,677	A *	5/1987	Palacio et al.	52/693
4,897,979	A	2/1990	Colonias	
4,932,173	A *	6/1990	Commins	52/92.2
4,964,253	A	10/1990	Loeffler	

(Continued)

FOREIGN PATENT DOCUMENTS

DE 9218001.9 5/1993

(Continued)

OTHER PUBLICATIONS

HIB-91 Summary Sheet, Commentary and Recommendation for Handling, Installing & Bracing Metal Plate Connected Wood Trusses, Frames 1-6; Truss Plate Institute, Madison, Wisconsin. Applicant admits this document is prior art. Applicant's attorney had this document in his possession at least as early as Jun. 24, 2002.

(Continued)

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(57) **CLAIM**

The ornamental design for a retrofittable valley truss clip, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the bent retrofittable valley truss clip showing my design.

FIG. 2 is a top plan view of the bent retrofittable valley truss clip showing my design.

FIG. 3 is a right side elevation view of the bent retrofittable valley truss clip showing my design.

FIG. 4 is a bottom plan view of the bent retrofittable valley truss clip showing my design.

FIG. 5 is a left side elevation view of the bent retrofittable valley truss clip showing my design.

FIG. 6 is a perspective view of the unbent retrofittable valley truss clip showing my design.

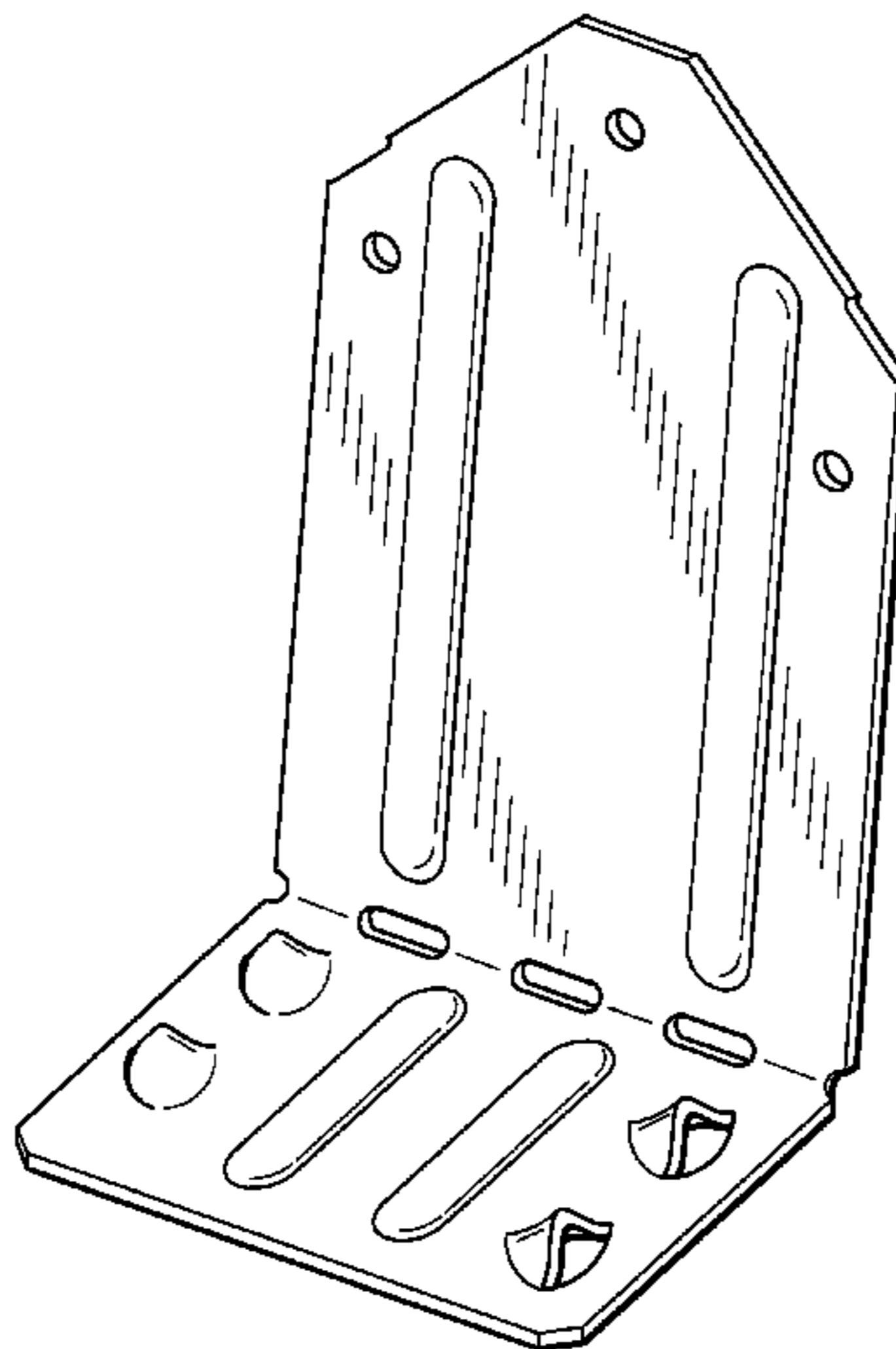
FIG. 7 is a top plan view of the unbent retrofittable valley truss clip showing my design.

FIG. 8 is a right side elevation view of the unbent retrofittable valley truss clip showing my design.

FIG. 9 is a bottom plan view of the unbent retrofittable valley truss clip showing my design; and,

FIG. 10 is a left side elevation view of the unbent retrofittable valley truss clip showing my design.

1 Claim, 6 Drawing Sheets



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U.S. PATENT DOCUMENTS

4,995,206 A 2/1991 Colonias et al.
5,027,494 A * 7/1991 Martin 29/402.15
5,042,217 A 8/1991 Bugbee et al.
5,104,252 A 4/1992 Colonias et al.
5,109,646 A 5/1992 Colonias et al.
D327,214 S * 6/1992 Stuart D8/373
5,150,982 A 9/1992 Gilb
5,217,317 A 6/1993 Young
5,253,465 A 10/1993 Gilb
5,335,469 A 8/1994 Stuart
5,341,619 A 8/1994 Dunagan et al.
5,380,116 A 1/1995 Colonias
5,555,694 A 9/1996 Commins
5,564,248 A 10/1996 Callies
5,603,580 A 2/1997 Leek
5,670,076 A 9/1997 Leek
5,732,519 A 3/1998 Leek
5,797,694 A 8/1998 Breivik
5,813,182 A 9/1998 Commins
6,009,681 A 1/2000 Kozloff
D422,886 S * 4/2000 Shea D8/354
D436,311 S * 1/2001 Edvardsson D8/382
6,840,020 B2 1/2005 Leek
D503,231 S * 3/2005 Daugherty D24/128
D558,040 S * 12/2007 Skinner D8/382
7,356,973 B2 * 4/2008 Roesset et al. 52/712
7,478,508 B2 * 1/2009 Peterson 52/573.1
D587,640 S * 3/2009 Fraser et al. D12/223
7,533,508 B1 * 5/2009 diGirolamo et al. 52/481.1
D618,992 S * 7/2010 Rix D8/394
7,789,365 B2 * 9/2010 Durig et al. 248/300
2006/0032180 A1 * 2/2006 Peterson 52/712
2006/0196143 A1 * 9/2006 Roesset et al. 52/712

FOREIGN PATENT DOCUMENTS

FR 2105002 9/1970
GB 1179267 1/1970

OTHER PUBLICATIONS

Simpson Catalog No. 67H1 Strong-Tie Joist Hangers and Framing Connectors. Pages 1, 10 & 11. Dec. 1966 Simpson Company, San Leandro, California.
Simpson Company Rough Carpentry 6, Sep. 1974, Structural Designs & Load Values . . . Code Approved, Catalog #75H1 1975 pp. 1 and 18, Simpson Company, San Leandro, California.
Simpson Company Rough Carpentry 6, Sep. 1979, Strong-Tie Connectors . . . Code Approved Industry Preferred Catalog #80H-1 1980, pp. 1 and 13, Simpson Company, San Leandro, California.
Simpson Company Rough Carpentry 6, Jan. 1983, Strong-Tie Connectors, Catalog 83H-1, pp. 1 and 12, Simpson Company, San Leandro, California.
Simpson Company Rough Carpentry 6, Jan. 1982, Wood Framing Systems, Strong-Tie Connectors, Catalog #82H-1, pp. 1 and 25, Simpson Company, San Leandro, California.
Simpson Strong-Tie Connectors, Product Use Guide for Simpler, Stronger, Safer Construction, Catalog C-RPC87, pp. 1 and 12, Jan. 1987 Simpson Company, San Leandro, California.
Simpson Strong-Tie Connectors, Do-It-Yourself Construction Connectors, Catalog CDIY96, Jun. 19, 1996, pp. 1 and 5, Simpson Strong-Tie Company, Inc., San Leandro, California.
Simpson Strong-Tie Connectors, Wood Construction Connectors, No-Equal Structural Connectors, Catalog C-2000, Jan. 1, 2000, pp. 11, 12, 23, 24, 29, 31, 32, 34, 35, 37, 49, 58, 61, 62, 85, 86, 89, 91, 97, 106, 108, 114, 116, 117, Simpson Strong-Tie Company, Inc. Pleasanton, California.
Rob Thallon, Graphic Guide to Frame Construction, Details for Builders and Designers, Sep. 1991, Title and End Covers, pp. 129 and 150, The Taunton Press, Newtown Connecticut.
Tanaka Steel Catalog, Jul. 1996, title page, pp. 28 and 29, end cover, Tanaka Co., Ltd., Japan.
Kevin F. Dill, "Declaration of Kevin Dill Regarding Prior Art and Possible Statutory Bars," Total of 5 pp., Mar. 12, 2004.

* cited by examiner

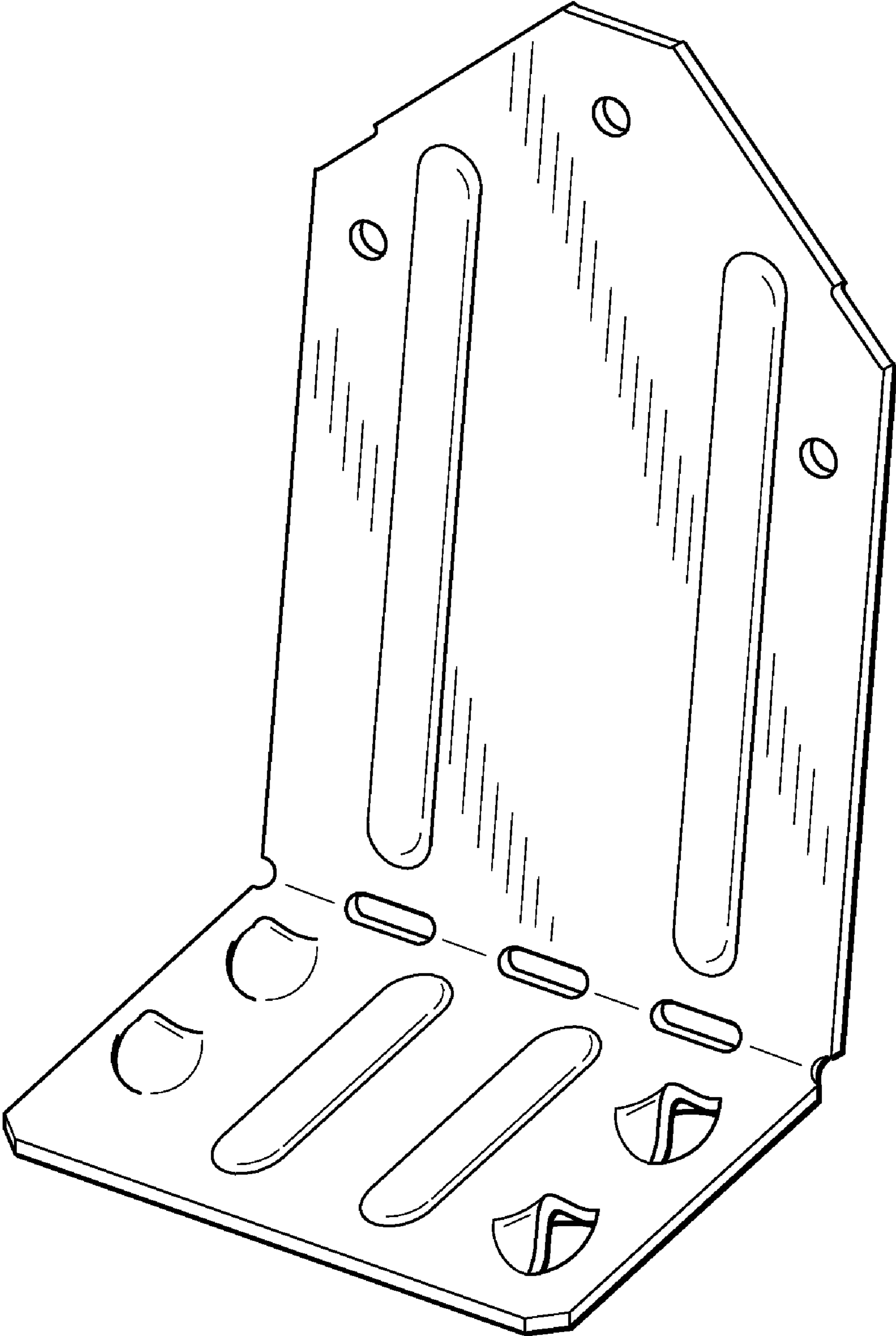


FIG. 1

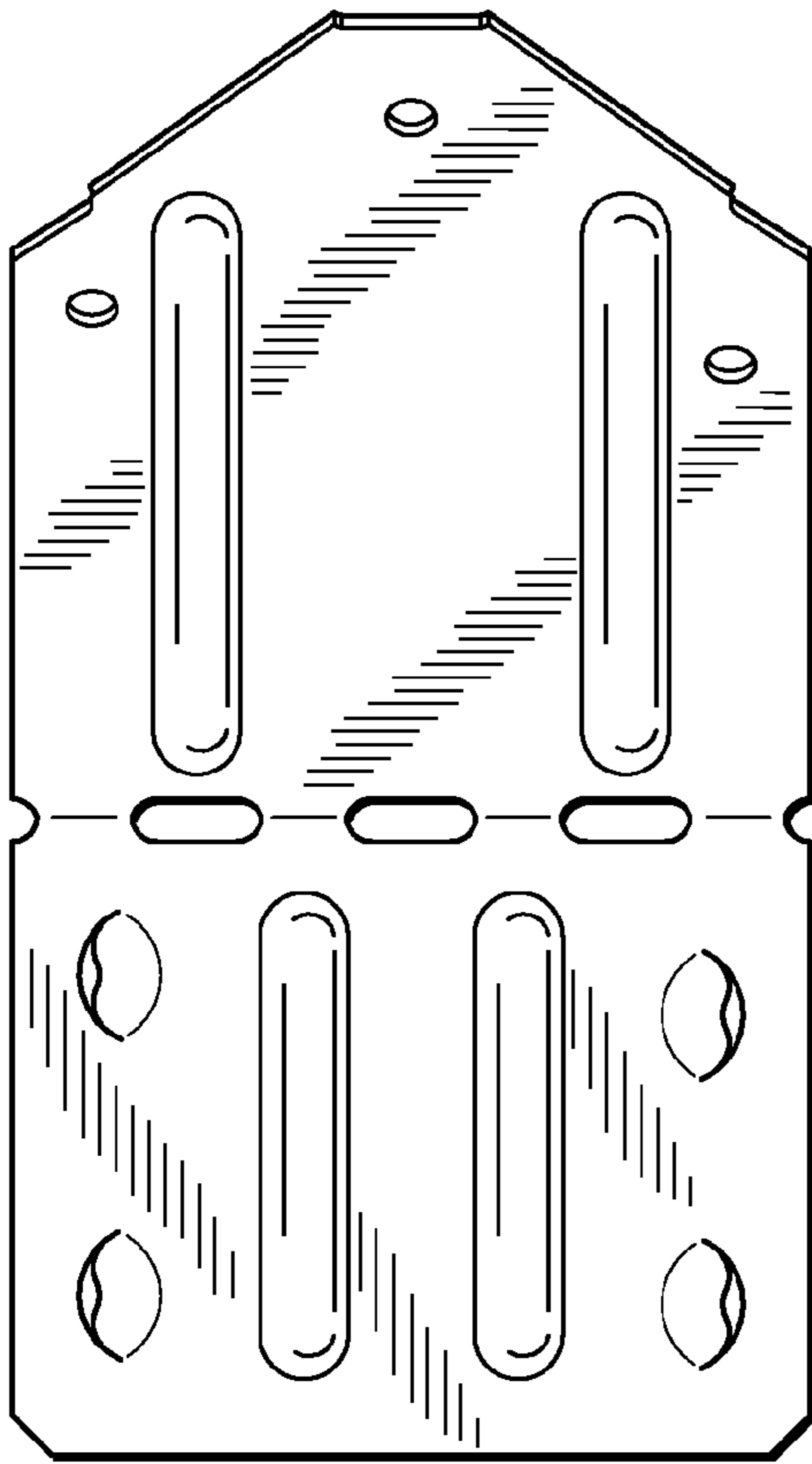


FIG. 2

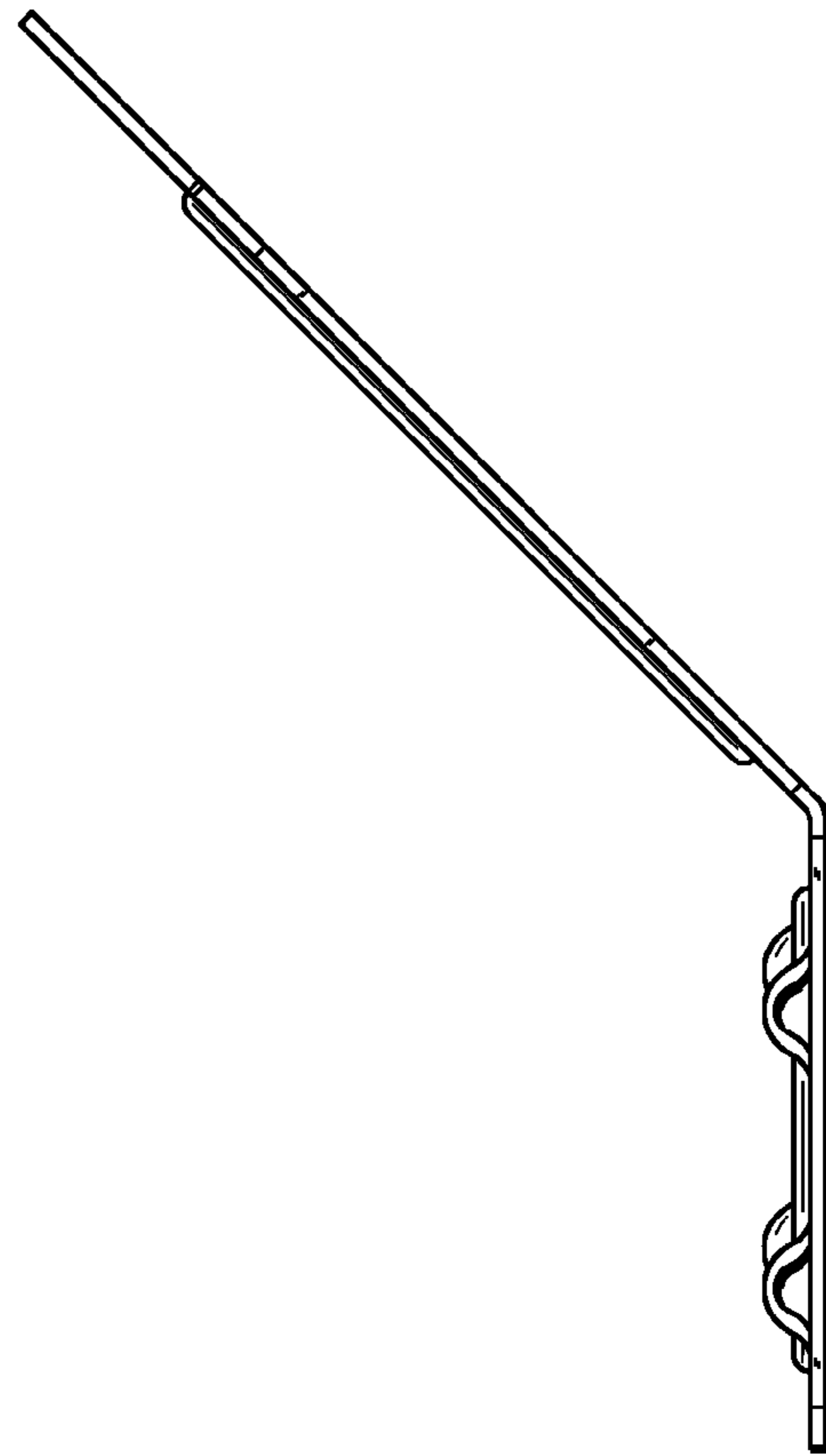


FIG. 3

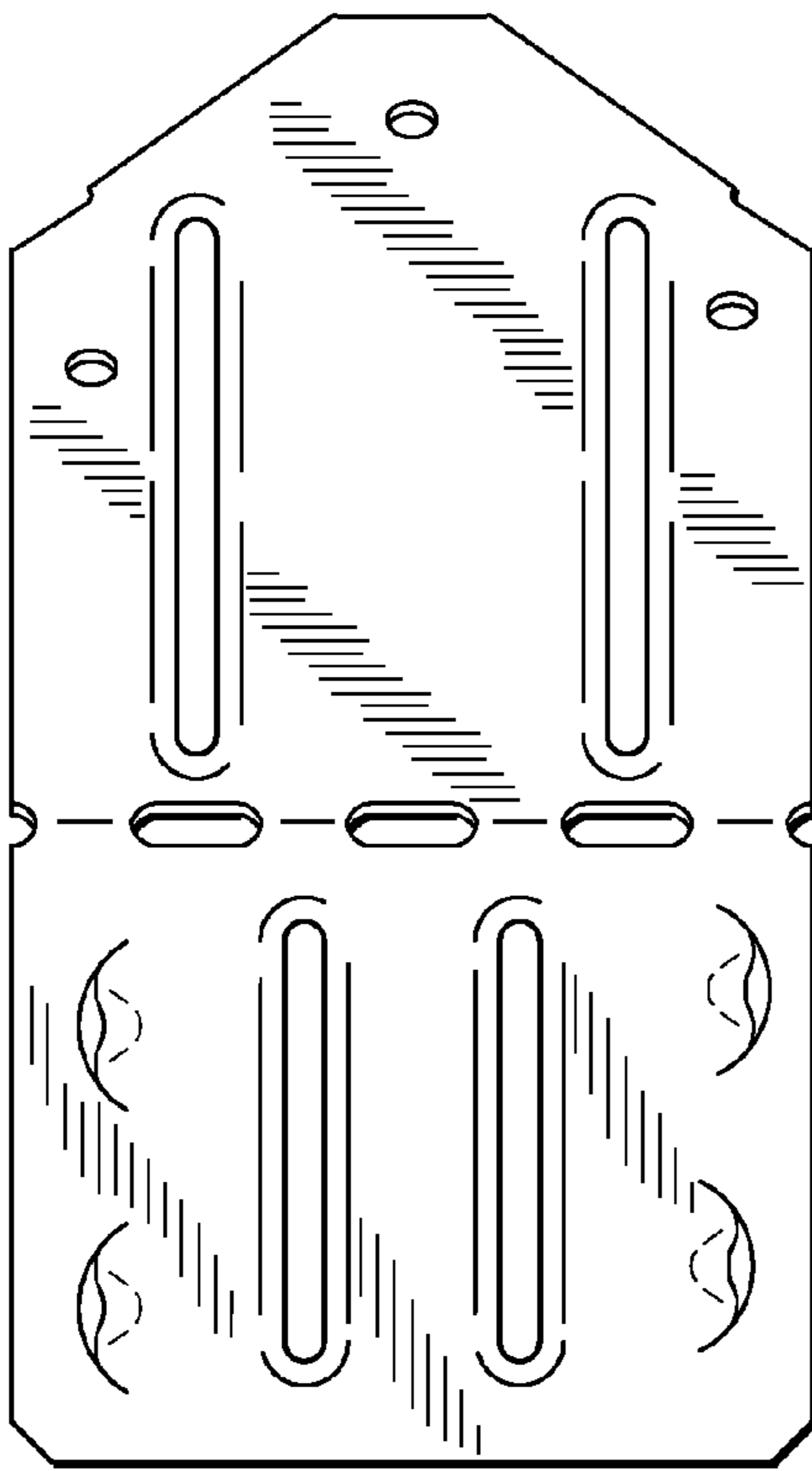


FIG._4

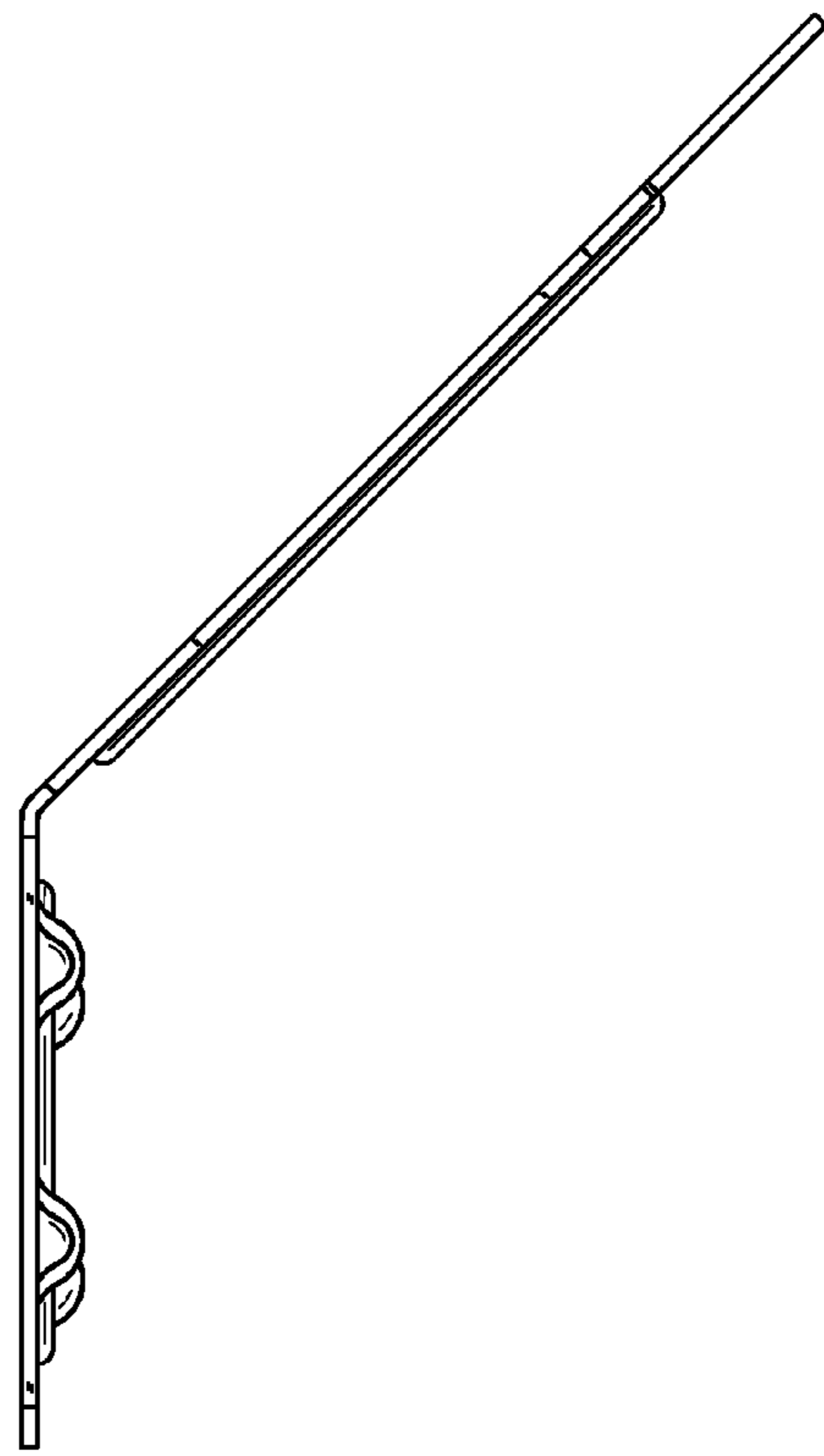


FIG._5

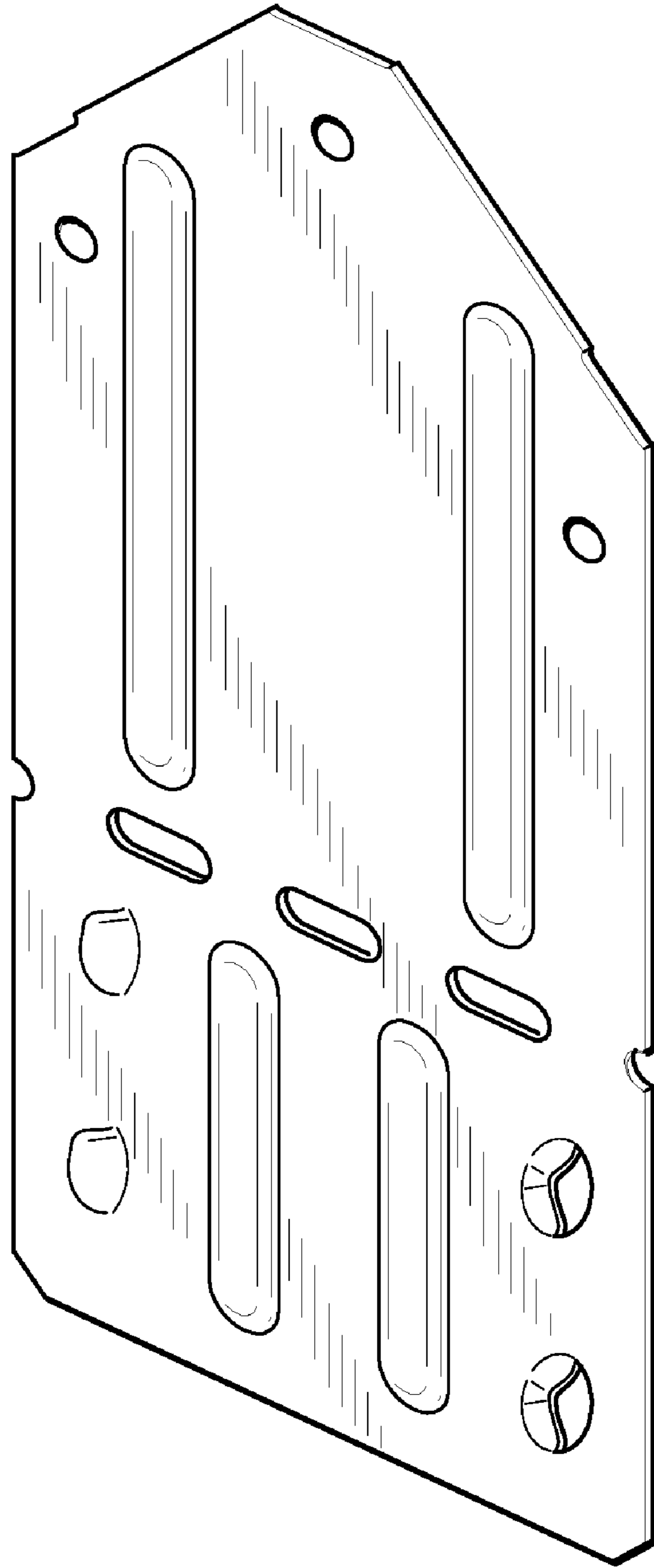


FIG._6

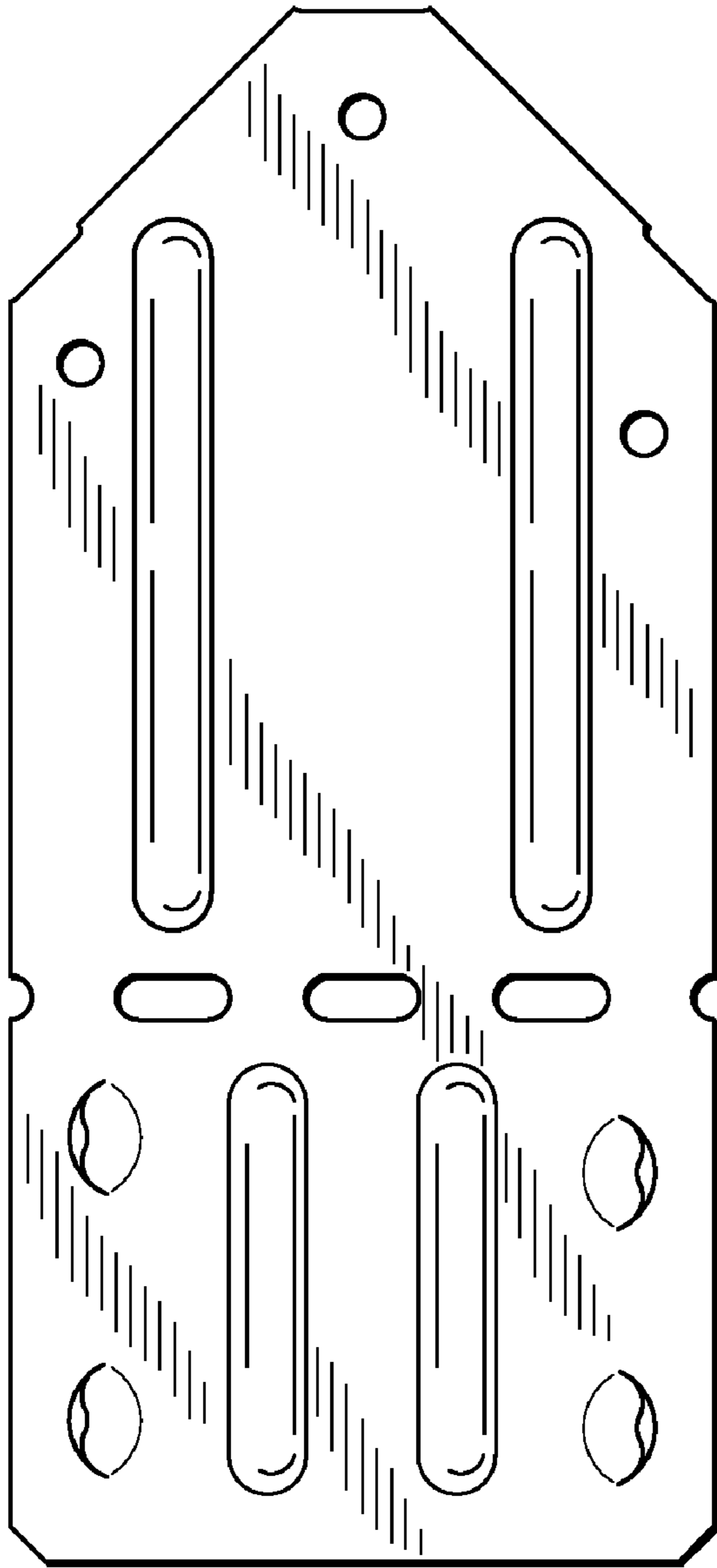


FIG. 7



FIG. 8

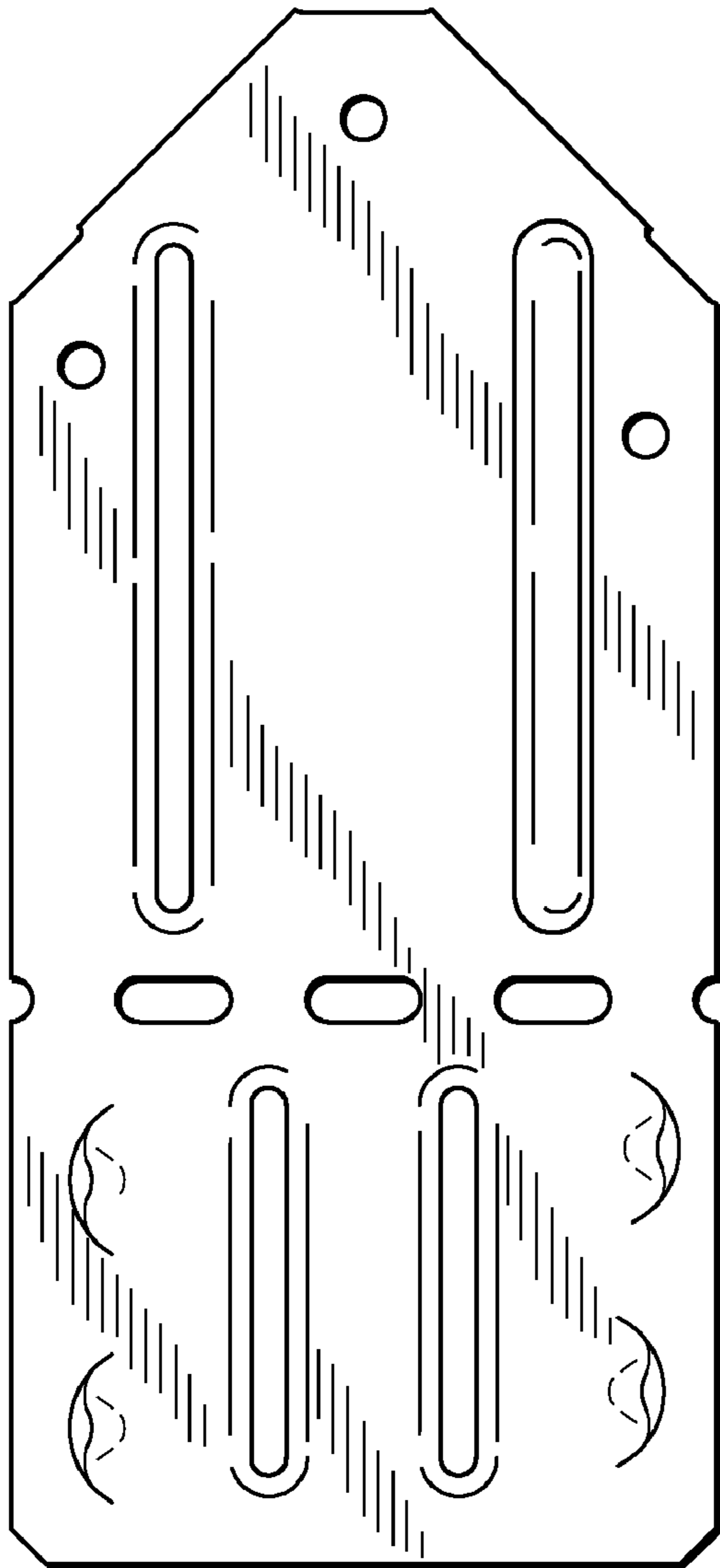


FIG._9

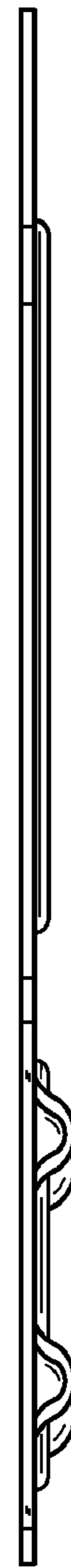


FIG._10