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(12)

United States Design Patent

Yamada et al.

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(54) **BIOCHEMICAL ANALYZER**

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(51) **LOC (14) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/232**

(58) **Field of Classification Search**
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D24/218, 219, 231, 232, 234; D10/81
CPC G01N 2035/00306; G01N 2035/00326;
G01N 2035/00336; G01N 2030/027;
G01N 21/76; G01N 33/50; G01N 35/025
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D244,385 S *	5/1977	McCord	.....	D24/231
4,138,999 A *	2/1979	Eckhart	.....	A61B 8/467
				D24/186
D276,367 S *	11/1984	Thomas	.....	D24/218
D312,307 S *	11/1990	Leibson	.....	D24/111
D413,987 S *	9/1999	Eberle	.....	D24/219
D418,134 S *	12/1999	Crump	.....	D24/173
6,377,342 B1 *	4/2002	Coeurville	.....	G01N 21/253
				422/65

D458,383 S *	6/2002	High	.....	D24/227
D494,280 S *	8/2004	Schmidt	.....	D24/185
D565,178 S *	3/2008	Tanaka	.....	D24/138
D598,098 S *	8/2009	Tanaka	.....	D24/138
D598,100 S *	8/2009	Tanaka	.....	D24/138
D626,224 S *	10/2010	Amano	.....	D24/138
D640,376 S *	6/2011	Amano	.....	D24/138
D645,570 S *	9/2011	Oonuma	.....	D24/232
D645,977 S *	9/2011	Oonuma	.....	D24/232
D645,979 S *	9/2011	Oonuma	.....	D24/232

(Continued)

FOREIGN PATENT DOCUMENTS

CN	302829326	*	5/2014
JP	D1241361 S		6/2005

(Continued)

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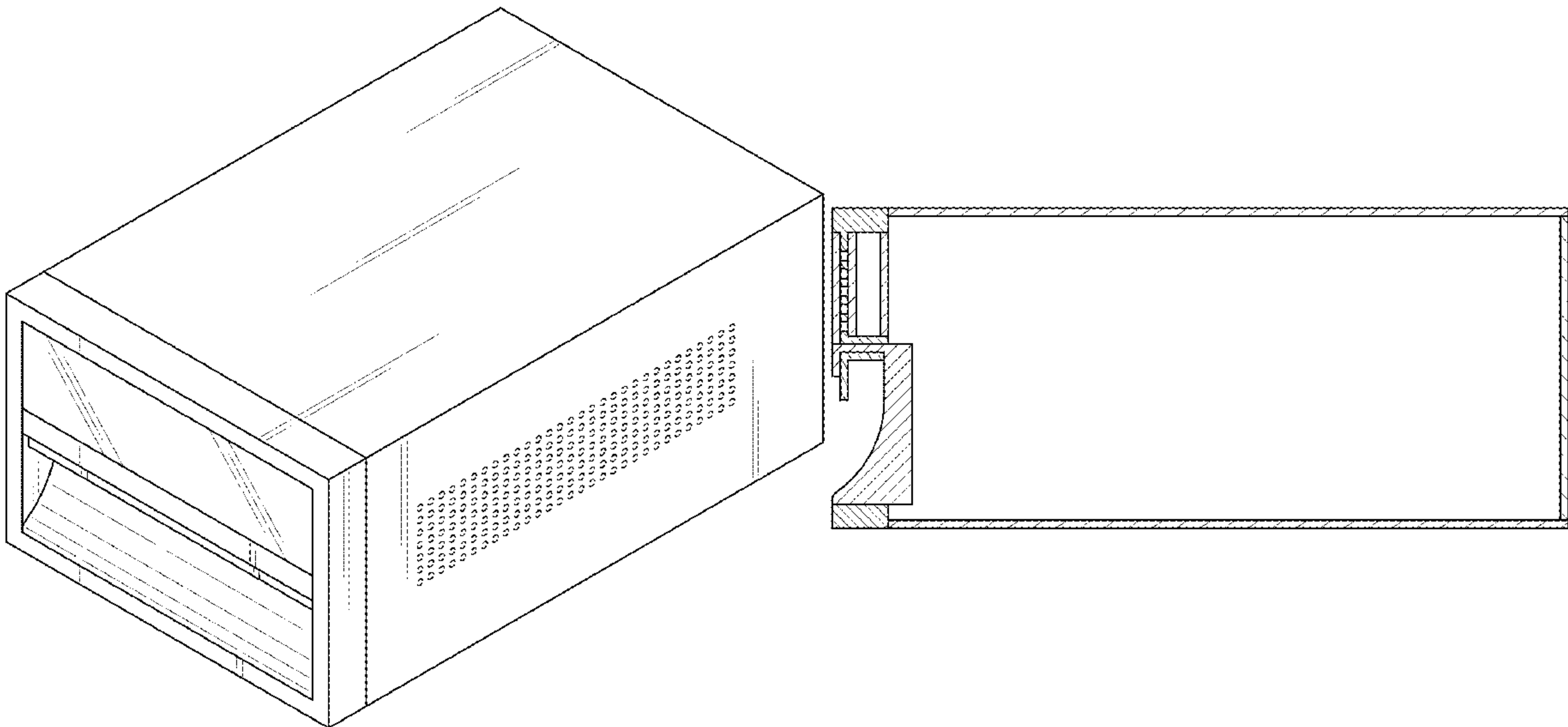
(57) **CLAIM**

The ornamental design for a biochemical analyzer, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a biochemical analyzer showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is an end view taken along line 8-8 in FIG. 2, in which the internal mechanism is omitted.
The broken lines in the drawings illustrate portions of the biochemical analyzer that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D672,466 S * 12/2012 Kravitz D24/216
D674,110 S * 1/2013 Becher D24/216
D685,499 S * 7/2013 Kimura D24/232
D691,280 S * 10/2013 Matoba D24/232
D692,155 S * 10/2013 Matoba D24/232
D692,158 S * 10/2013 Matoba D24/232
D693,712 S * 11/2013 Noda D24/232
D699,609 S * 2/2014 Noda D24/232
D705,944 S * 5/2014 Chang D24/216
D737,459 S * 8/2015 Kurihara D24/232
D744,880 S * 12/2015 Smith D24/232
D745,185 S 12/2015 Kimura et al.
D774,206 S * 12/2016 Boo D24/232
D776,825 S 1/2017 Patil et al.
D797,587 S * 9/2017 Delavy D24/216
D814,651 S * 4/2018 Oshima D24/216
D843,006 S * 3/2019 Huang D24/216
D850,310 S * 6/2019 Kang D24/216
D850,957 S * 6/2019 Hur D10/81
D854,705 S * 7/2019 Ouyang D24/217
D857,917 S * 8/2019 Mead D24/233
D858,790 S * 9/2019 Hsu D24/216
D867,610 S * 11/2019 Ohata D24/217
D870,913 S 12/2019 Kang
D870,917 S * 12/2019 Kang D24/232
D873,434 S * 1/2020 Xie D24/217
D875,963 S * 2/2020 Gruen D24/216
D876,662 S * 2/2020 Huang D24/216

D881,405 S 4/2020 Hussey et al.
D881,407 S * 4/2020 Li D24/217
D883,515 S 5/2020 Jenoski et al.
D884,208 S * 5/2020 Xie D24/217
D885,603 S * 5/2020 Zhang D24/217
D888,267 S * 6/2020 Salomon D24/216
D893,740 S * 8/2020 Lv D24/217
D895,461 S * 9/2020 Kang D24/216
D907,245 S 1/2021 Rateike et al.
D910,199 S * 2/2021 Porter D24/216
D914,906 S * 3/2021 Klein D24/216
D919,610 S * 5/2021 Li D14/252
D925,060 S * 7/2021 LaPorte D24/217
D927,725 S 8/2021 Irle et al.
D950,101 S * 4/2022 Meyer D24/217
D953,257 S * 5/2022 Feng D13/107
D954,955 S * 6/2022 Gatenholm D24/158
D965,814 S * 10/2022 Lewis D24/217
D979,789 S * 2/2023 Gomez D24/217
D982,775 S * 4/2023 Tang D24/217
2014/0318275 A1 * 10/2014 Fujita G01N 30/24
73/863.01

FOREIGN PATENT DOCUMENTS

JP D1457051 S 12/2012
JP D1484294 S 11/2013
JP D1484715 S 11/2013
JP D1668120 S 9/2020
JP D1692227 S 8/2021

* cited by examiner

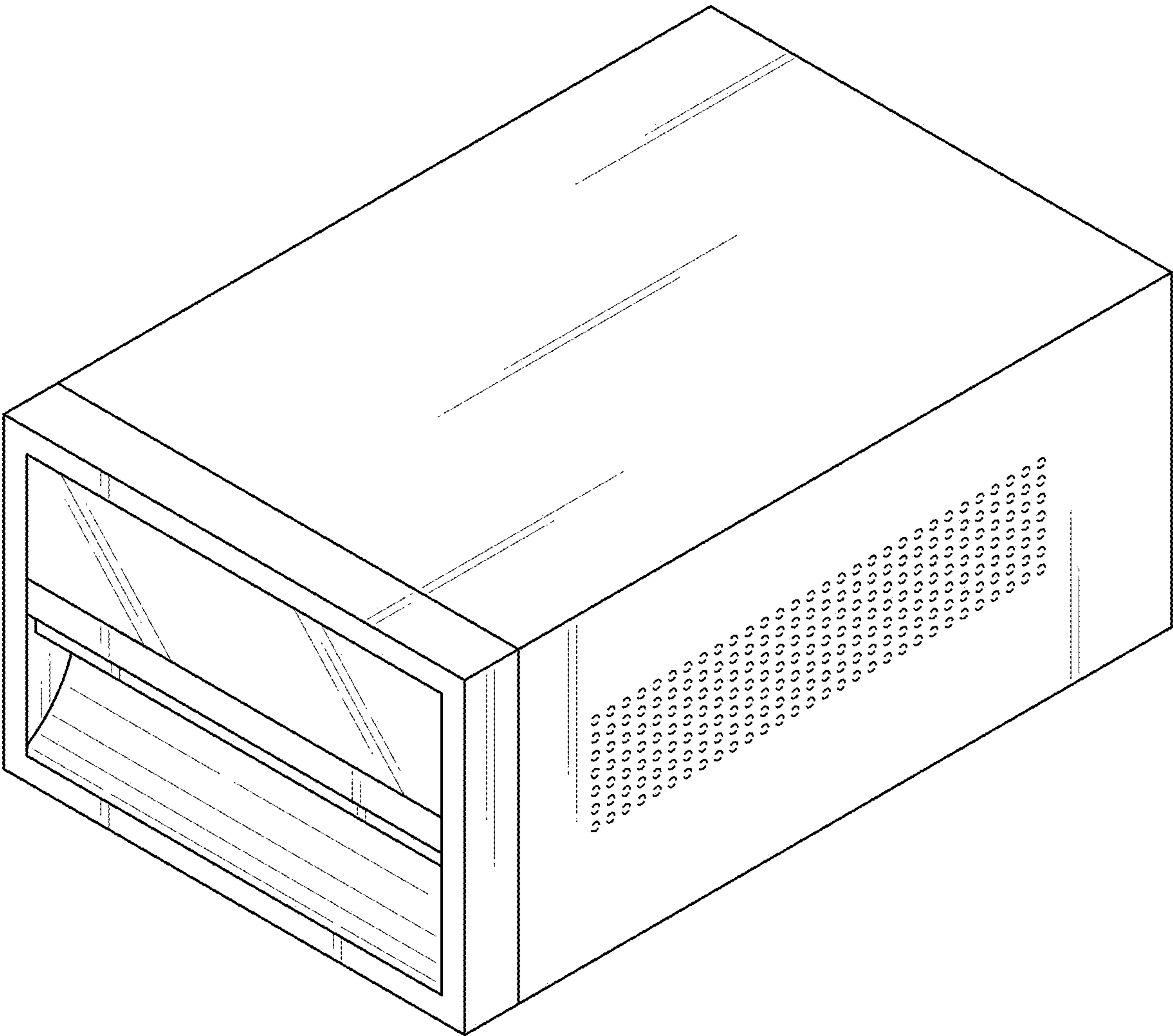


FIG. 1

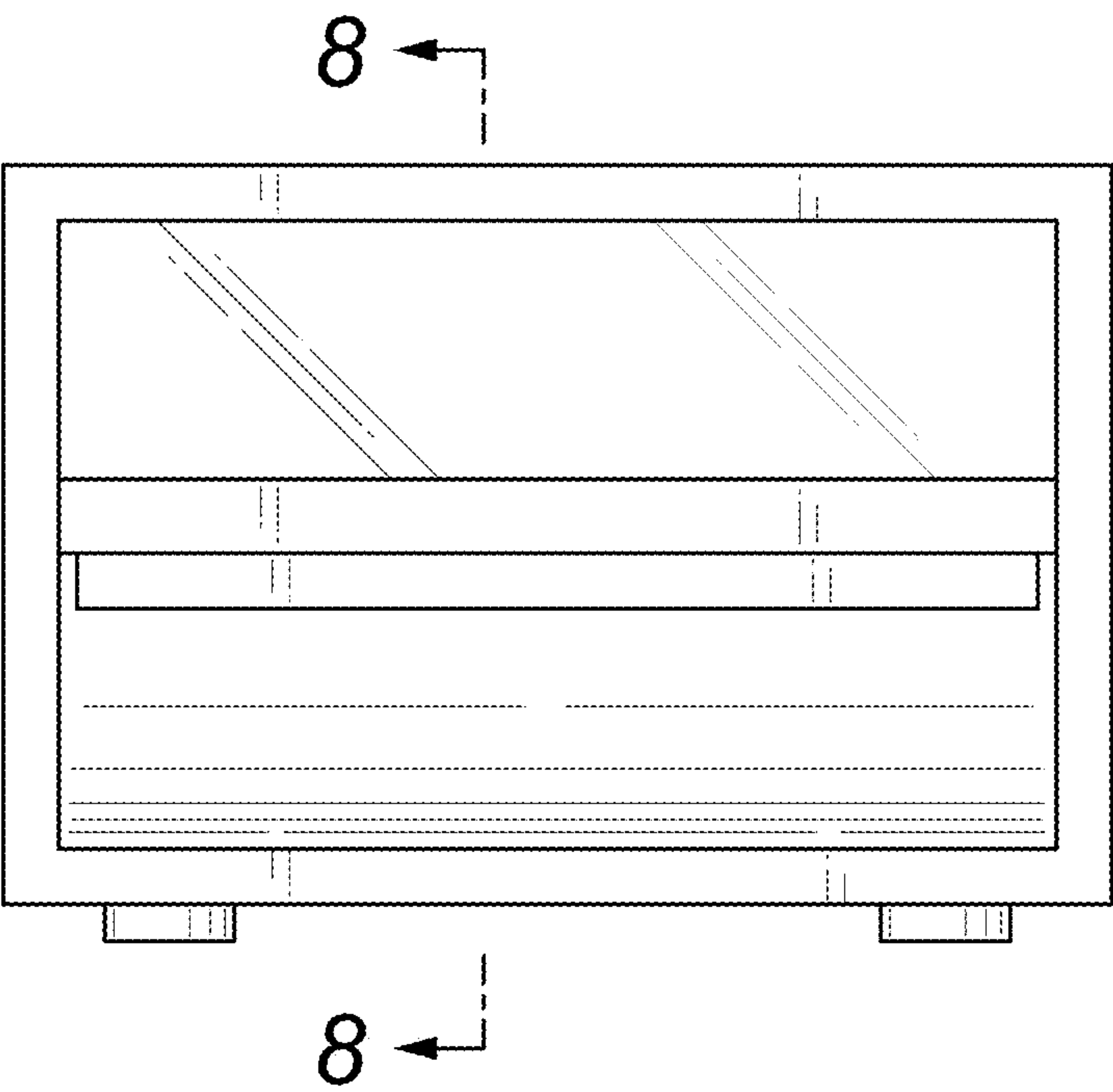


FIG. 2

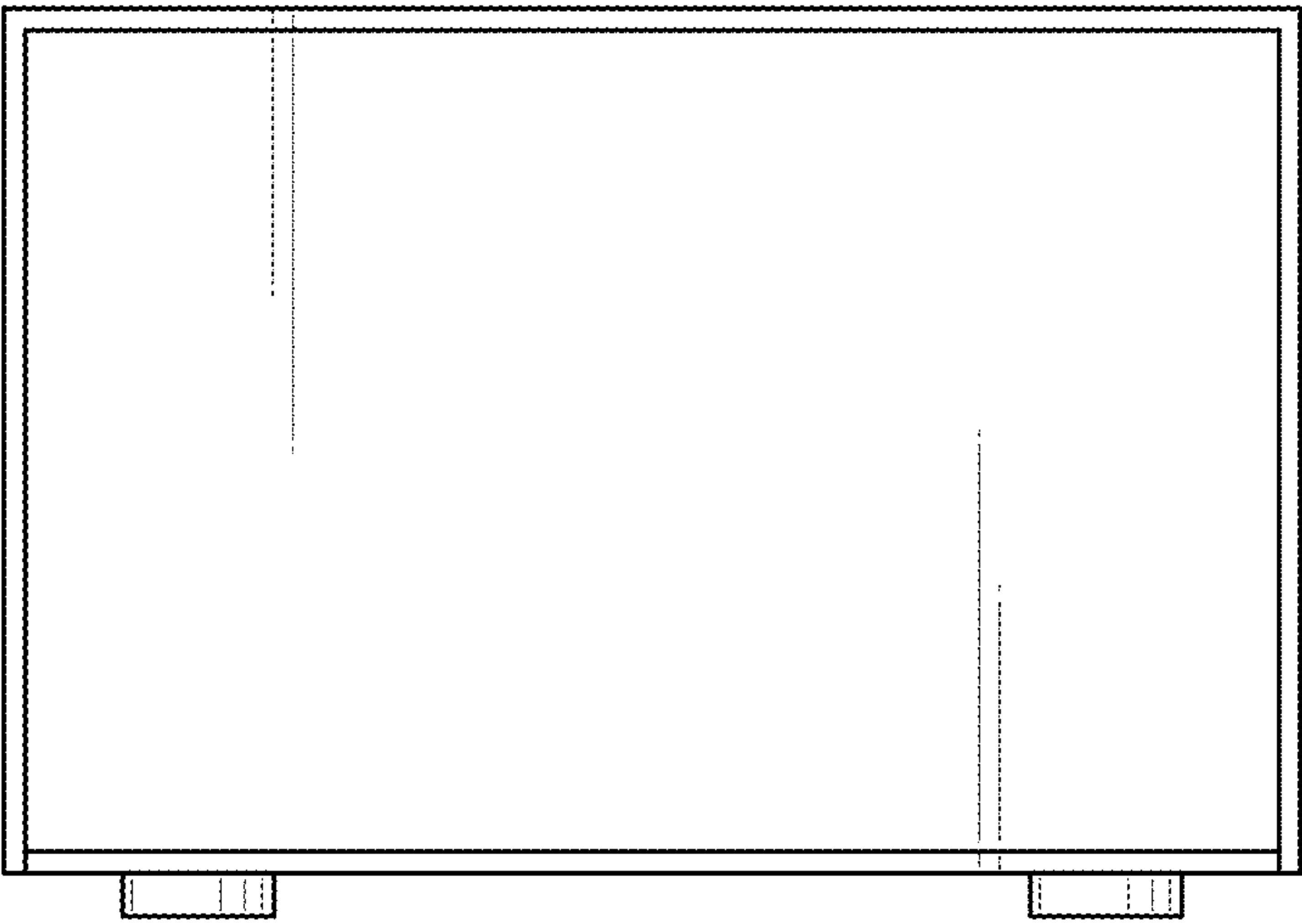


FIG. 3

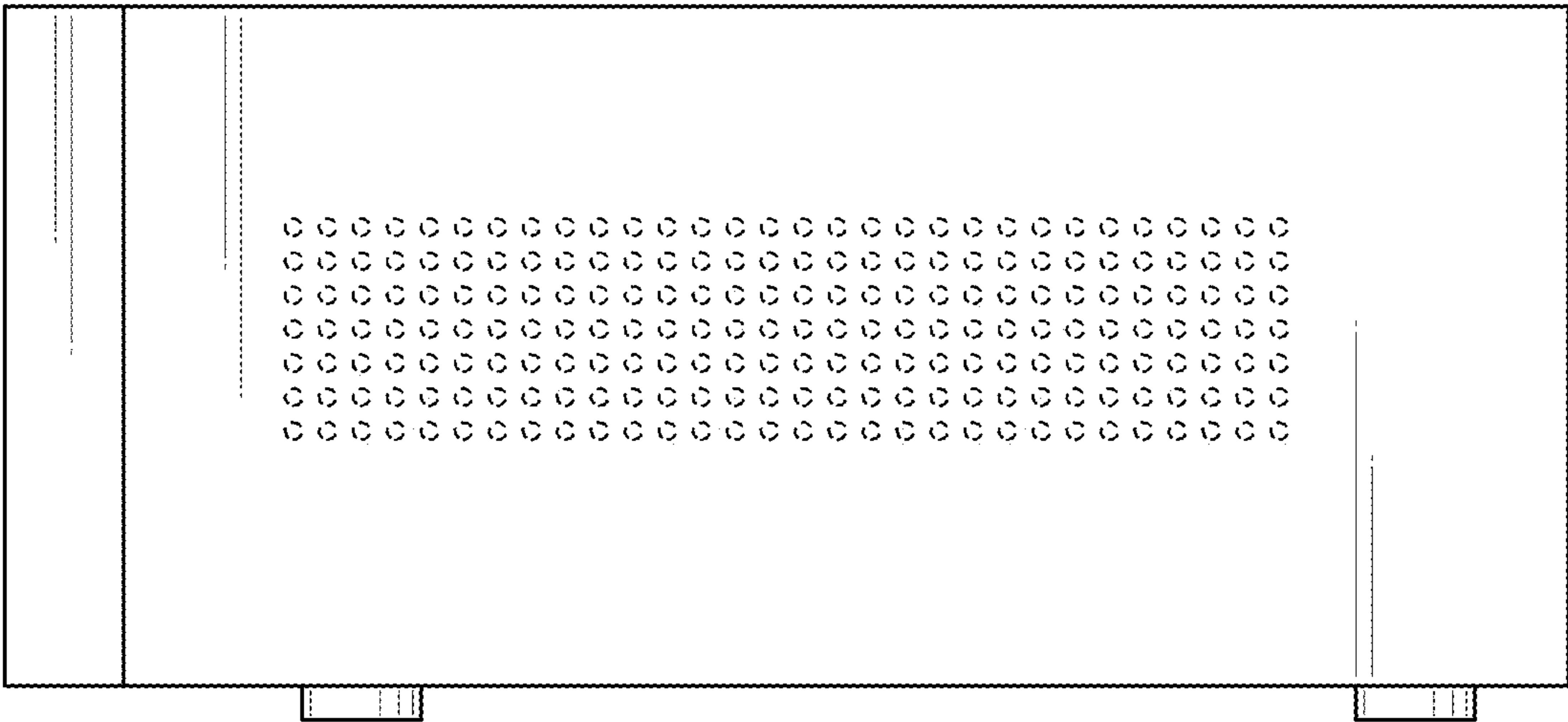


FIG. 4

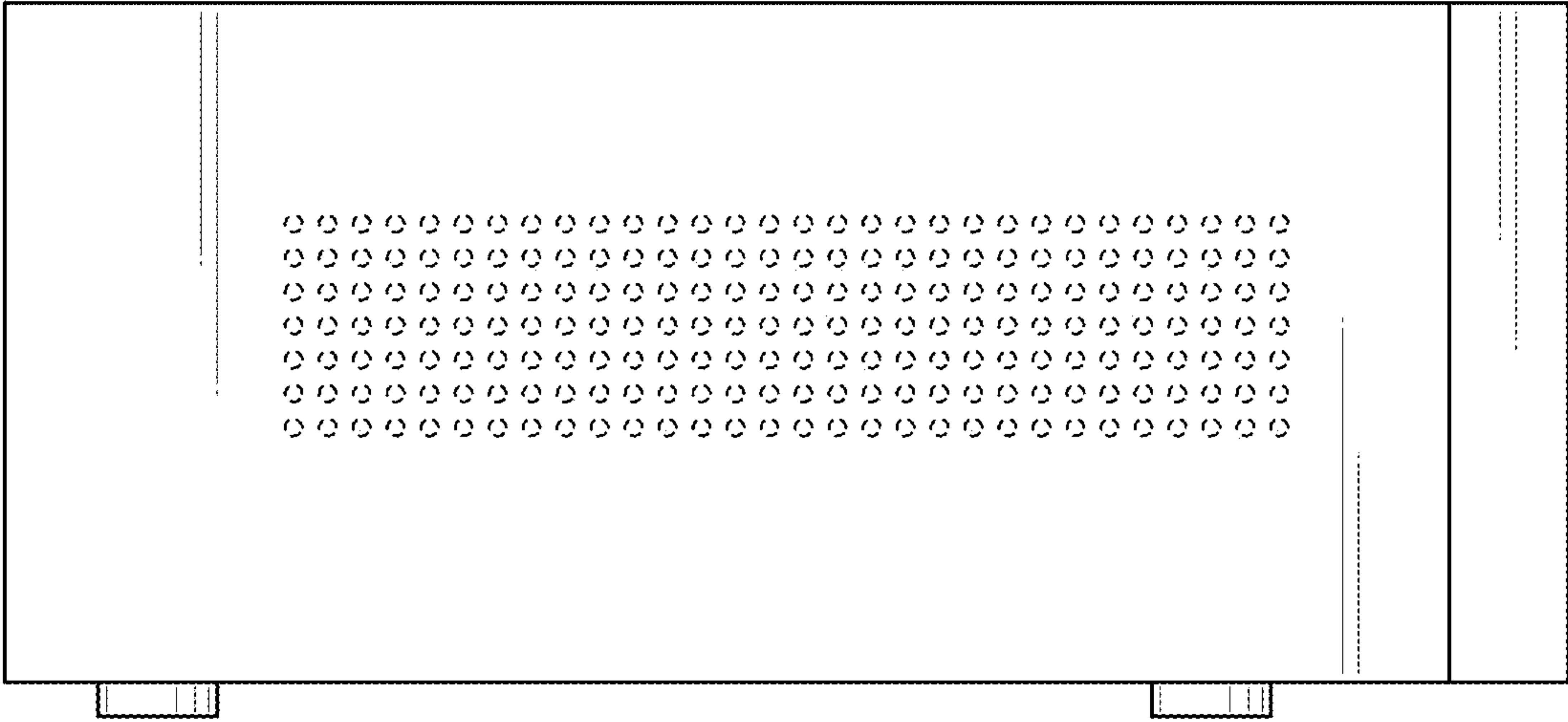


FIG. 5

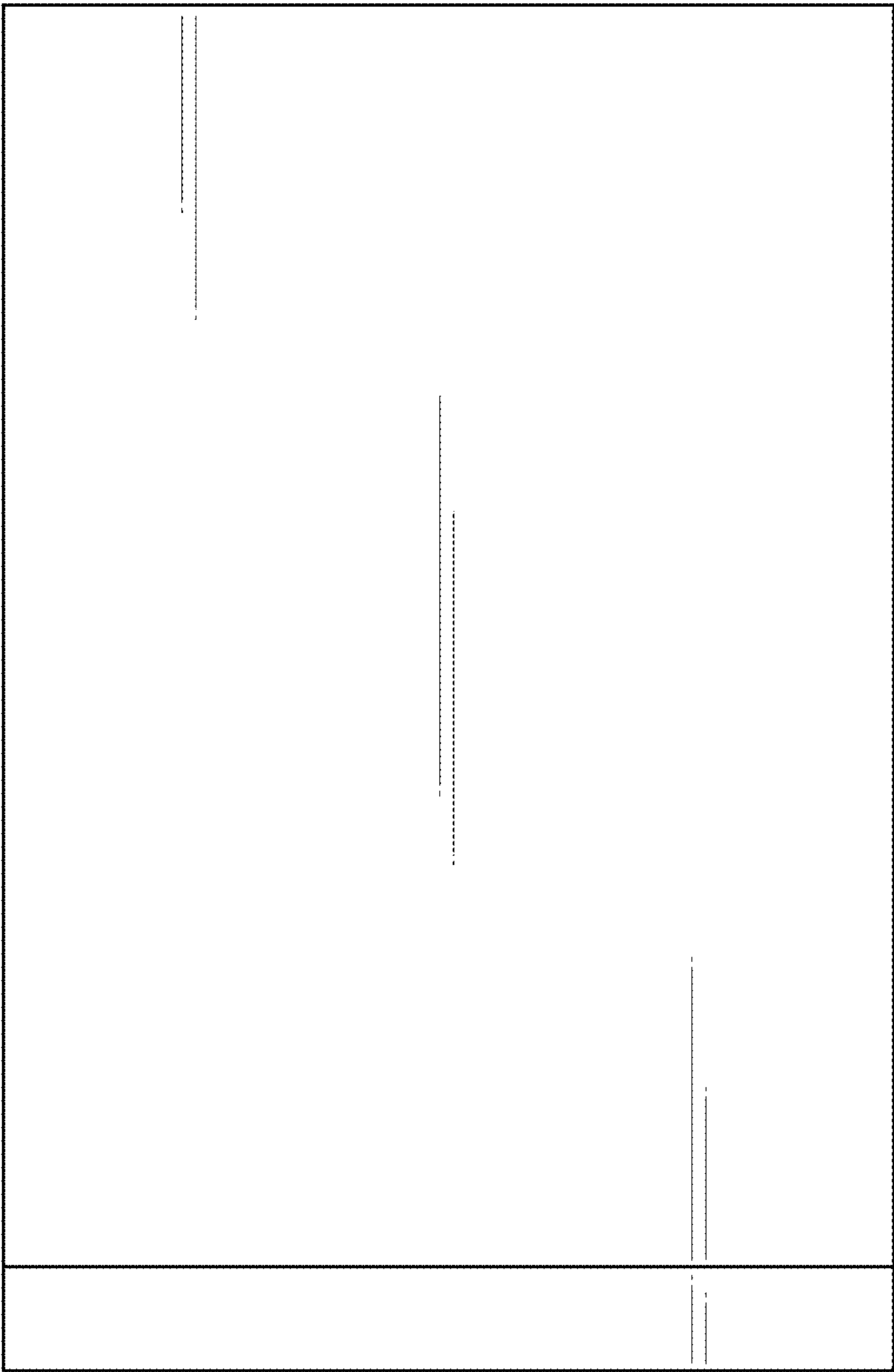


FIG. 6

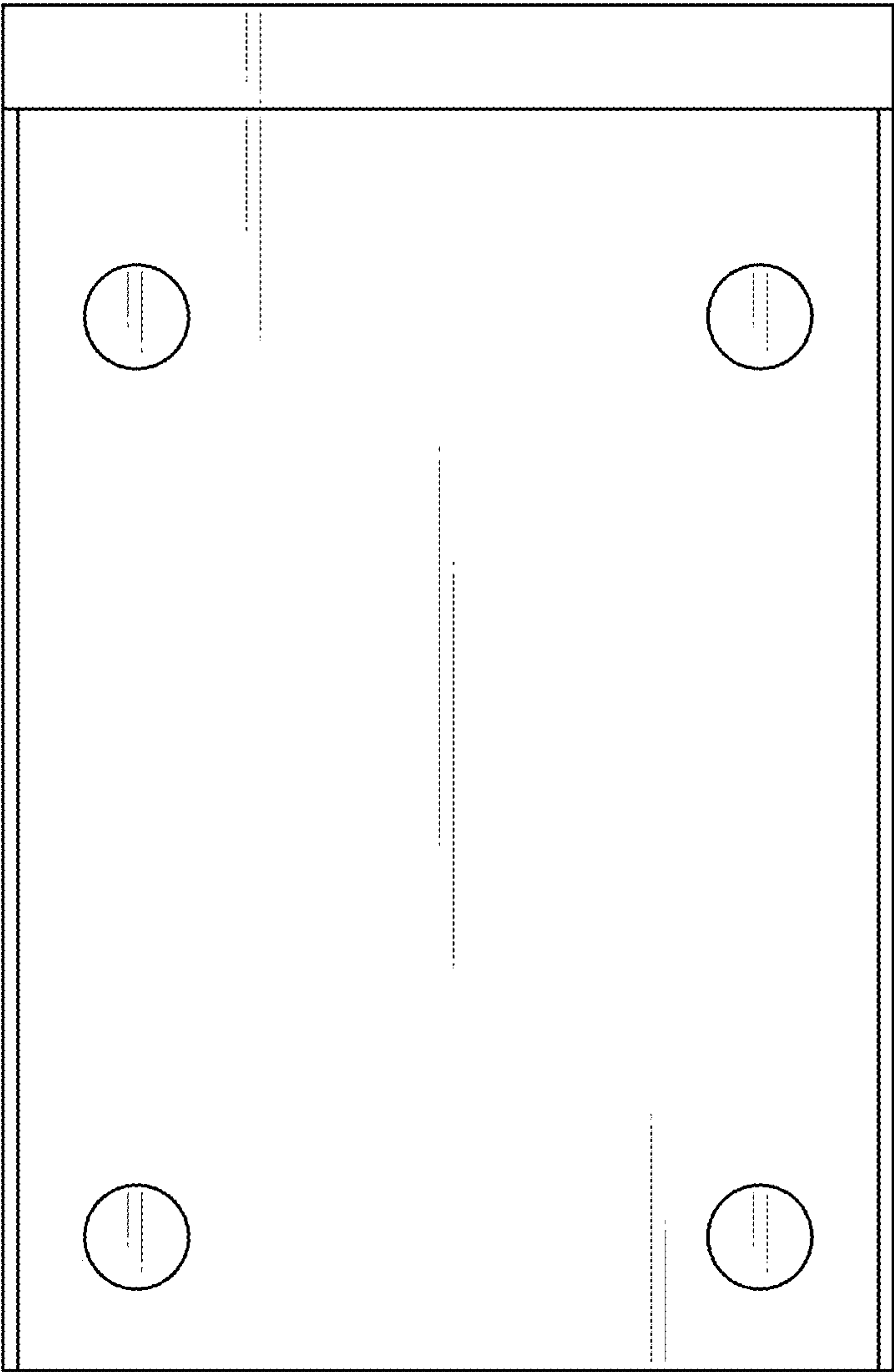


FIG. 7

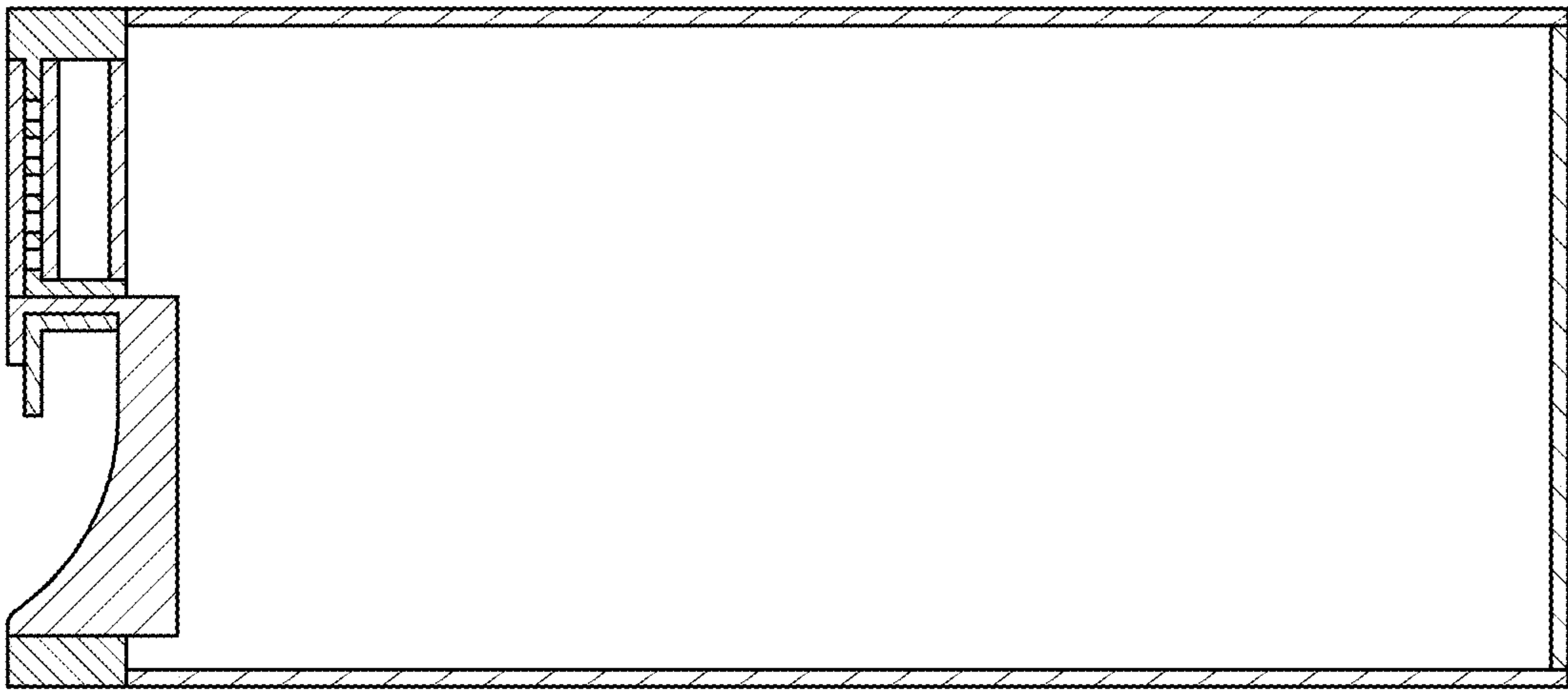


FIG. 8