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

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(54) **FLUID PRESSURE CYLINDER**

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(52) **U.S. Cl.**  
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CPC .... F02M 37/04; F02M 31/14; F04D 29/4286;  
F15B 15/149; F15B 15/16; F15B  
15/1414; F15B 14/1919; F15B 15/26  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D295,753 S \* 5/1988 LaBair ..... D15/7
- D301,583 S \* 6/1989 Herner ..... D15/7
- D303,393 S \* 9/1989 Stoll ..... D15/7
- D370,683 S \* 6/1996 Stahlman ..... D15/7
- D378,214 S \* 2/1997 Ikumi ..... D15/143
- D378,680 S \* 4/1997 Ikumi ..... D15/7
- D380,217 S \* 6/1997 Jermeay ..... D15/5
- D408,420 S \* 4/1999 Buter ..... D15/7
- D417,457 S \* 12/1999 Asahara ..... D15/7
- D420,683 S \* 2/2000 Suzuki ..... D15/7
- D428,617 S \* 7/2000 Hariwara ..... D15/7
- D499,348 S 12/2004 Matsumoto et al.

- D572,282 S \* 7/2008 Yaegashi ..... D15/143
- D575,175 S \* 8/2008 Suzuki
- D584,324 S \* 1/2009 Yaegashi ..... D15/143
- D643,855 S \* 8/2011 Taniguchi ..... D15/7
- D643,856 S \* 8/2011 Taniguchi ..... D15/7
- D669,097 S \* 10/2012 Hariwara ..... D15/7
- D669,098 S \* 10/2012 Hariwara ..... D15/7
- D682,901 S \* 5/2013 Peschel ..... D15/143
- D699,759 S \* 2/2014 Peschel ..... D15/7
- D699,760 S \* 2/2014 Peschel ..... D15/7
- D699,761 S \* 2/2014 Peschel ..... D15/7
- D757,120 S \* 5/2016 Kudo ..... D15/7
- D760,805 S \* 7/2016 Monden ..... D15/7
- D770,595 S 11/2016 Suzuki et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 3030412 3/1995

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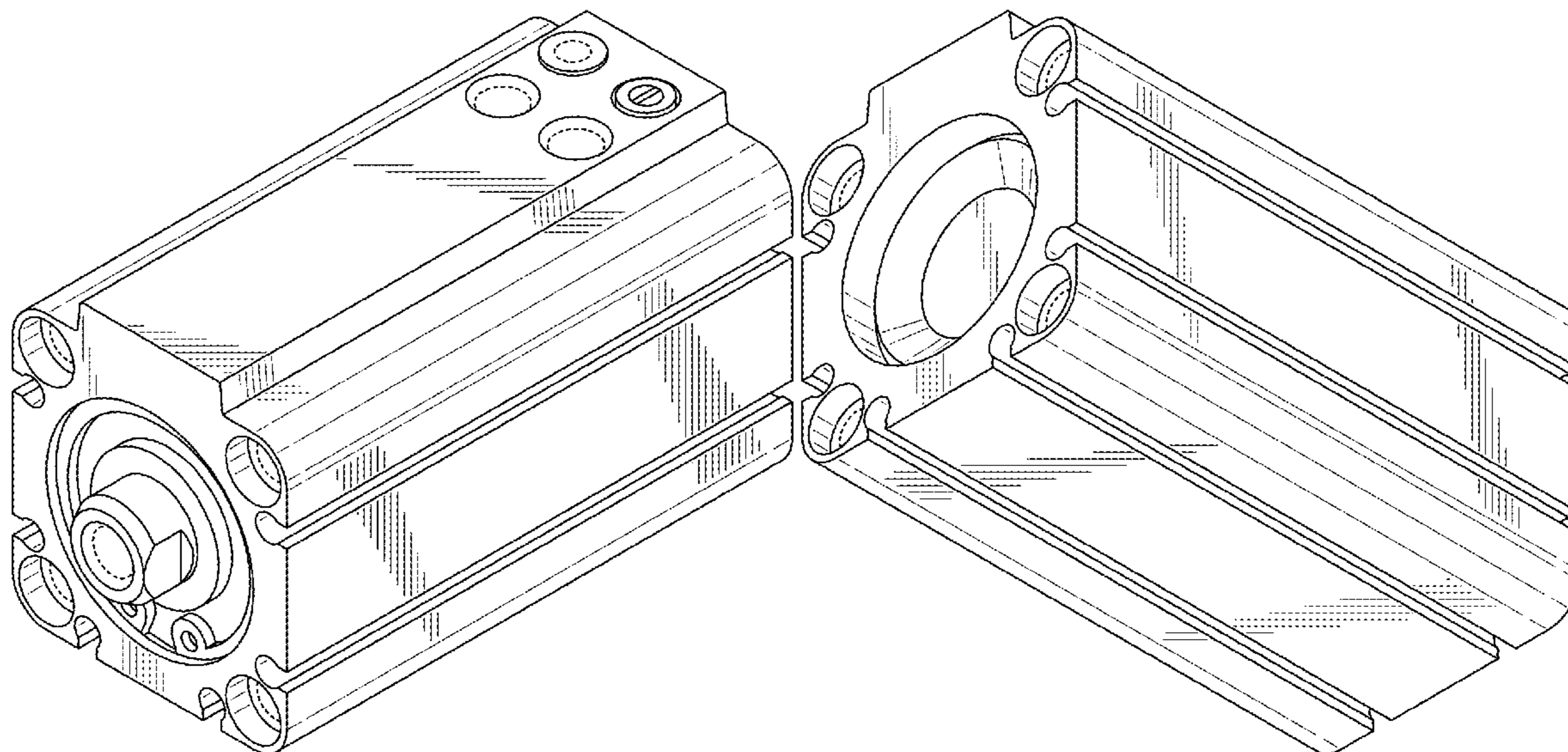
(57) **CLAIM**

The ornamental design for a fluid pressure cylinder, as  
shown and described.

**DESCRIPTION**

FIG. 1 is a front, top and left side perspective view of a fluid pressure cylinder showing my new design;  
FIG. 2 is a rear, bottom and right side perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof;  
FIG. 7 is a left side view thereof; and,  
FIG. 8 is a right side view thereof.  
The broken lines depict portions of the fluid pressure cylinder that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D772,302	S	*	11/2016	Kudo	.....	D15/7
D780,228	S	*	2/2017	Kudo	.....	D15/7
D780,229	S	*	2/2017	Kudo	.....	D15/7
D794,164	S		8/2017	Suzuki et al.		
D805,559	S	*	12/2017	Kudo	.....	D15/7
D805,560	S	*	12/2017	Kudo	.....	D15/7
D819,700	S	*	6/2018	Kudo	.....	D15/7
D820,321	S	*	6/2018	Kudo	.....	D15/7
D825,616	S	*	8/2018	Monden	.....	D15/9
D826,285	S	*	8/2018	Yaegashi	.....	D15/9
D861,041	S	*	9/2019	Morita	.....	D15/7
D861,042	S	*	9/2019	Morita	.....	D15/7
D867,399	S	*	11/2019	Morita	.....	D15/7
D869,511	S	*	12/2019	Iwama	.....	D15/9
2017/0298931	A1	*	10/2017	Kudo	.....	F15B 15/2861
2019/0195248	A1	*	6/2019	Kudo	.....	F15B 15/1428

\* cited by examiner

FIG. 1

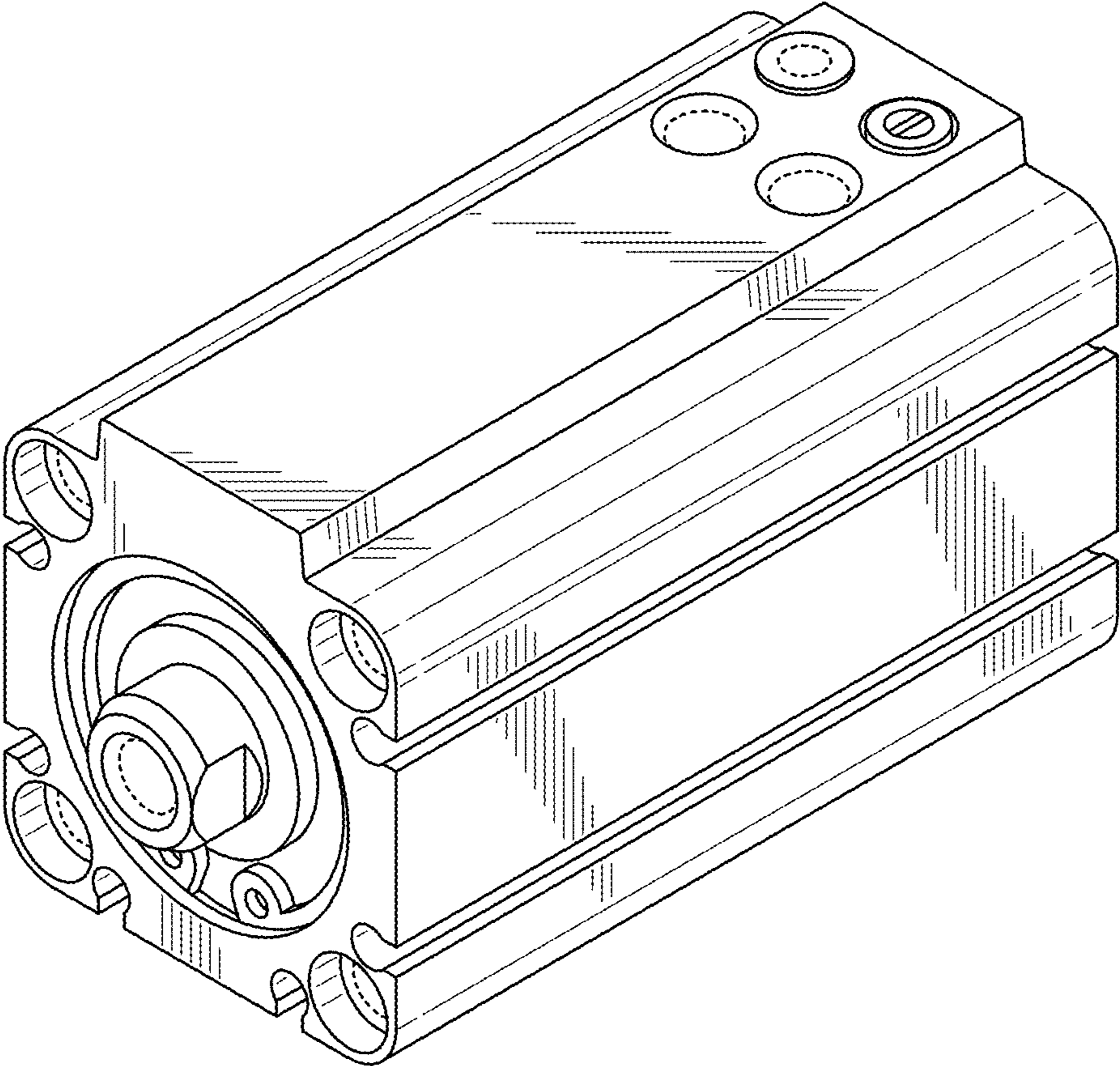


FIG. 2

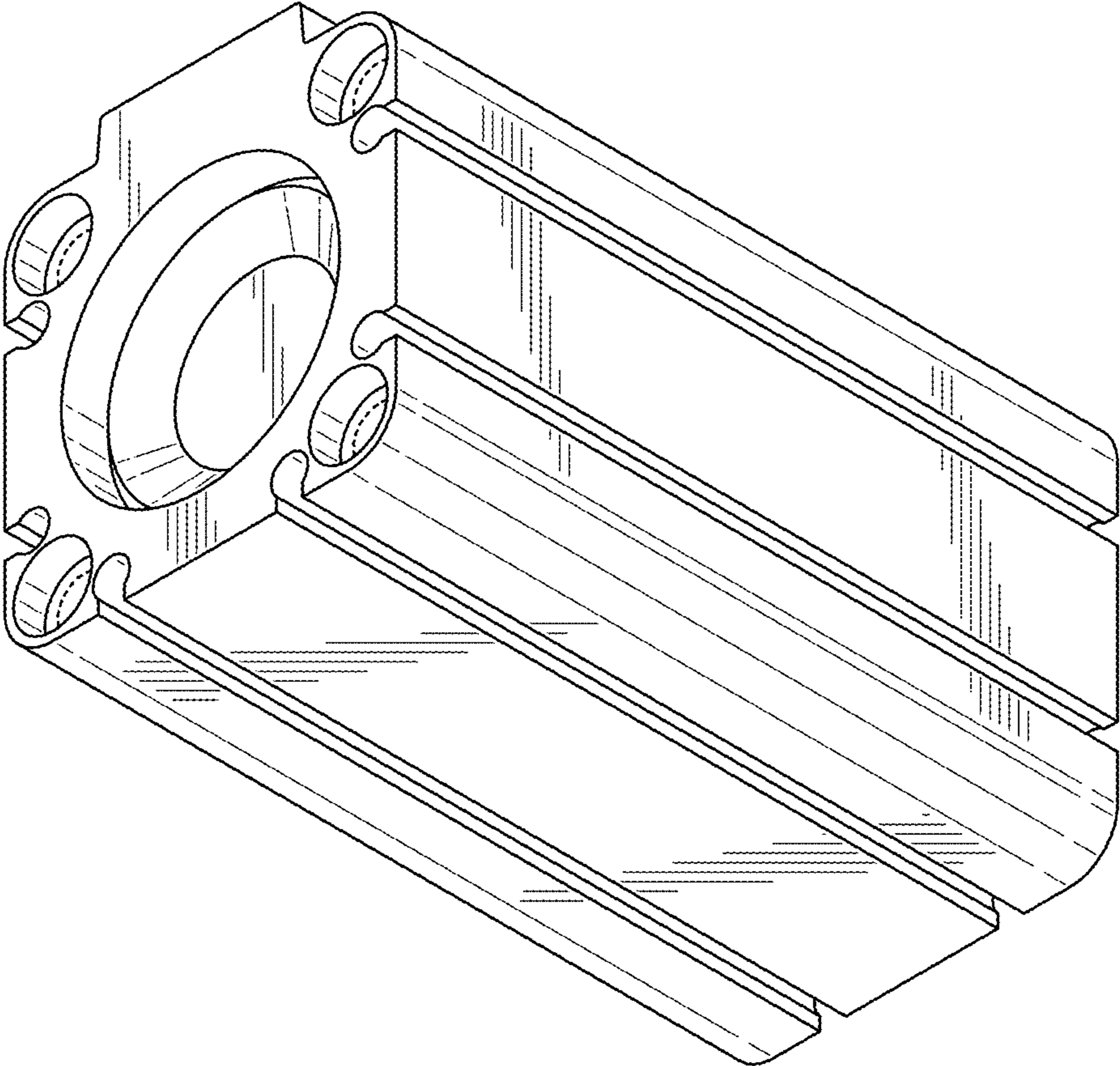


FIG. 3

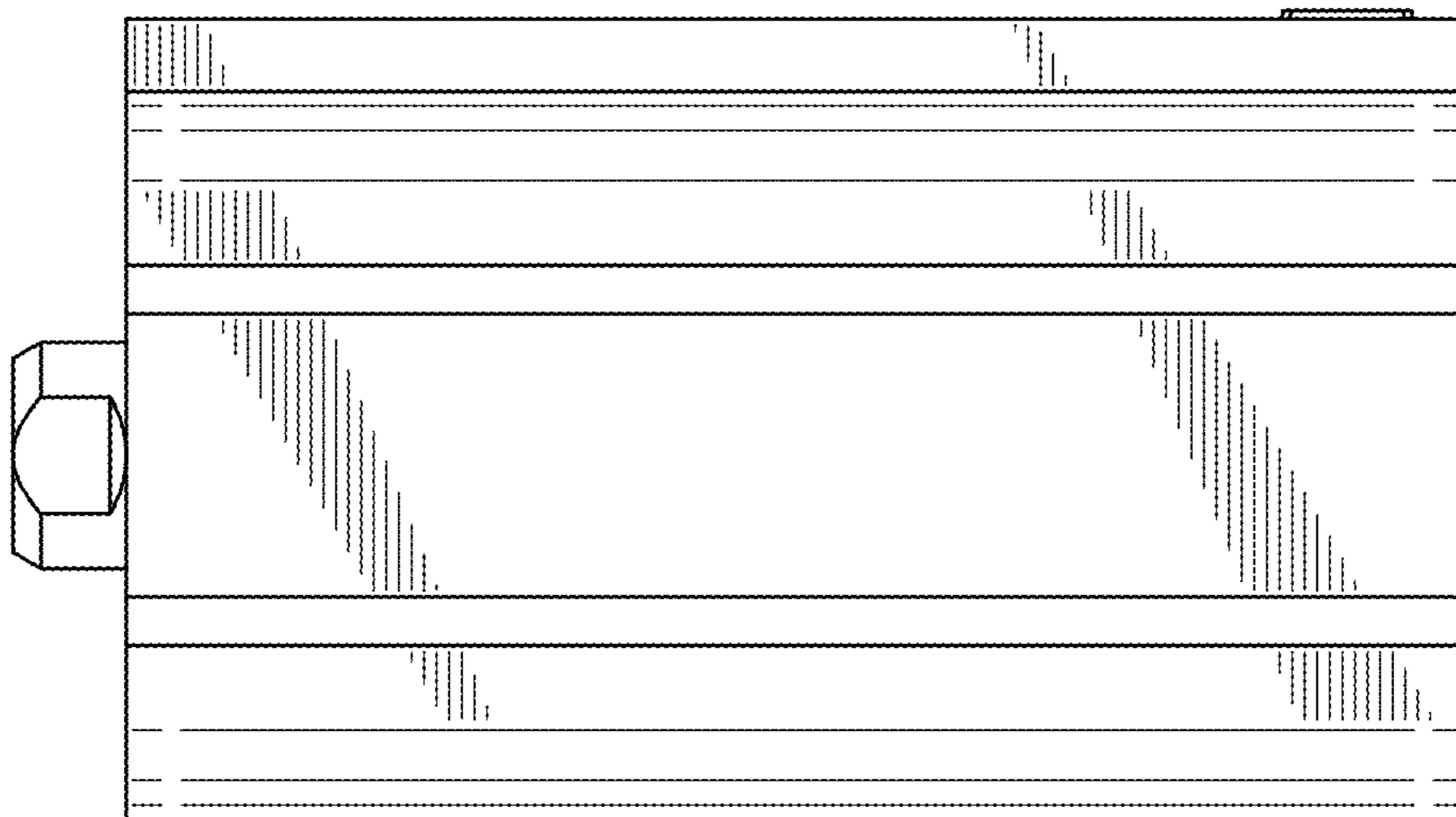


FIG. 4

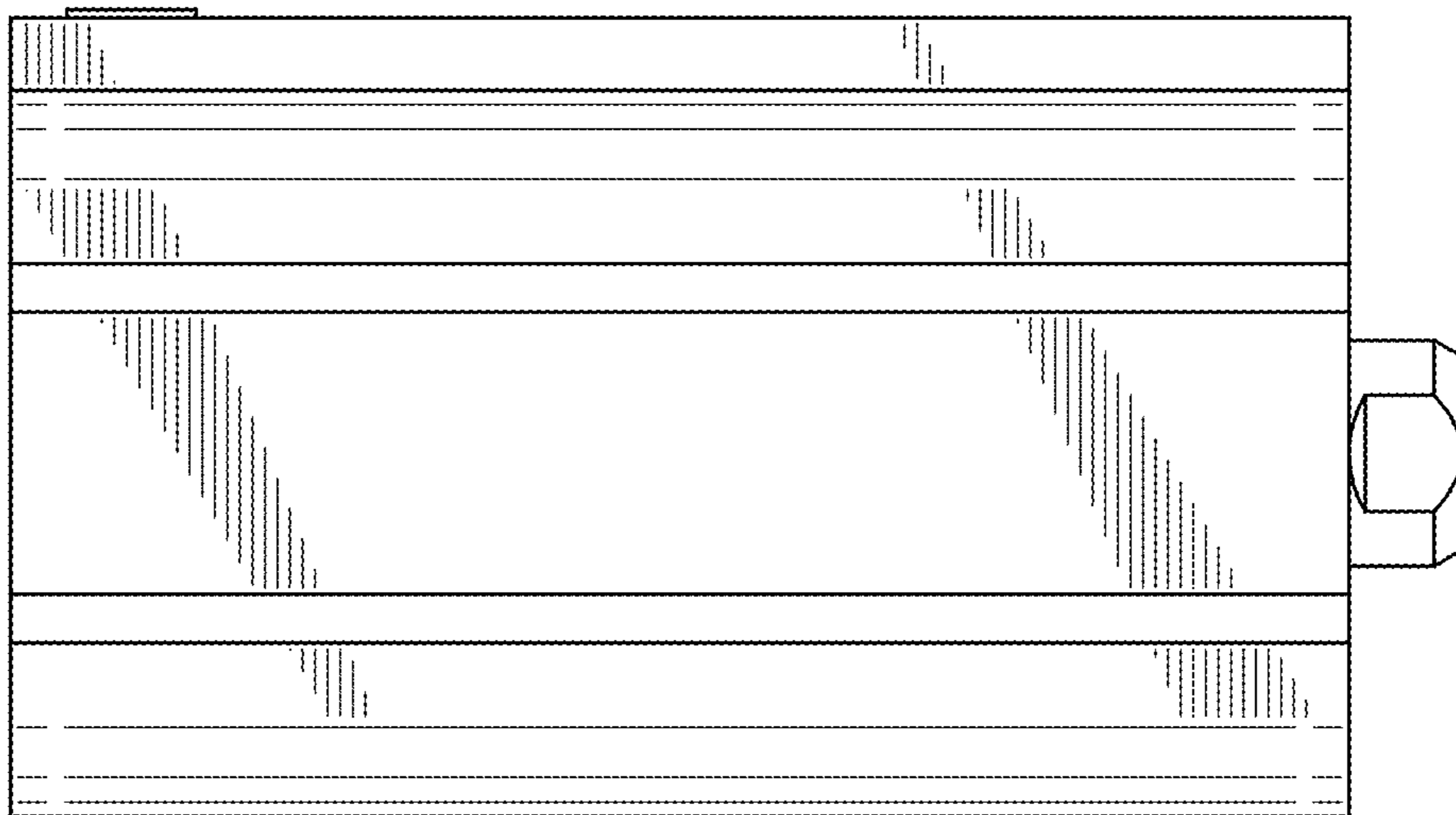


FIG. 5

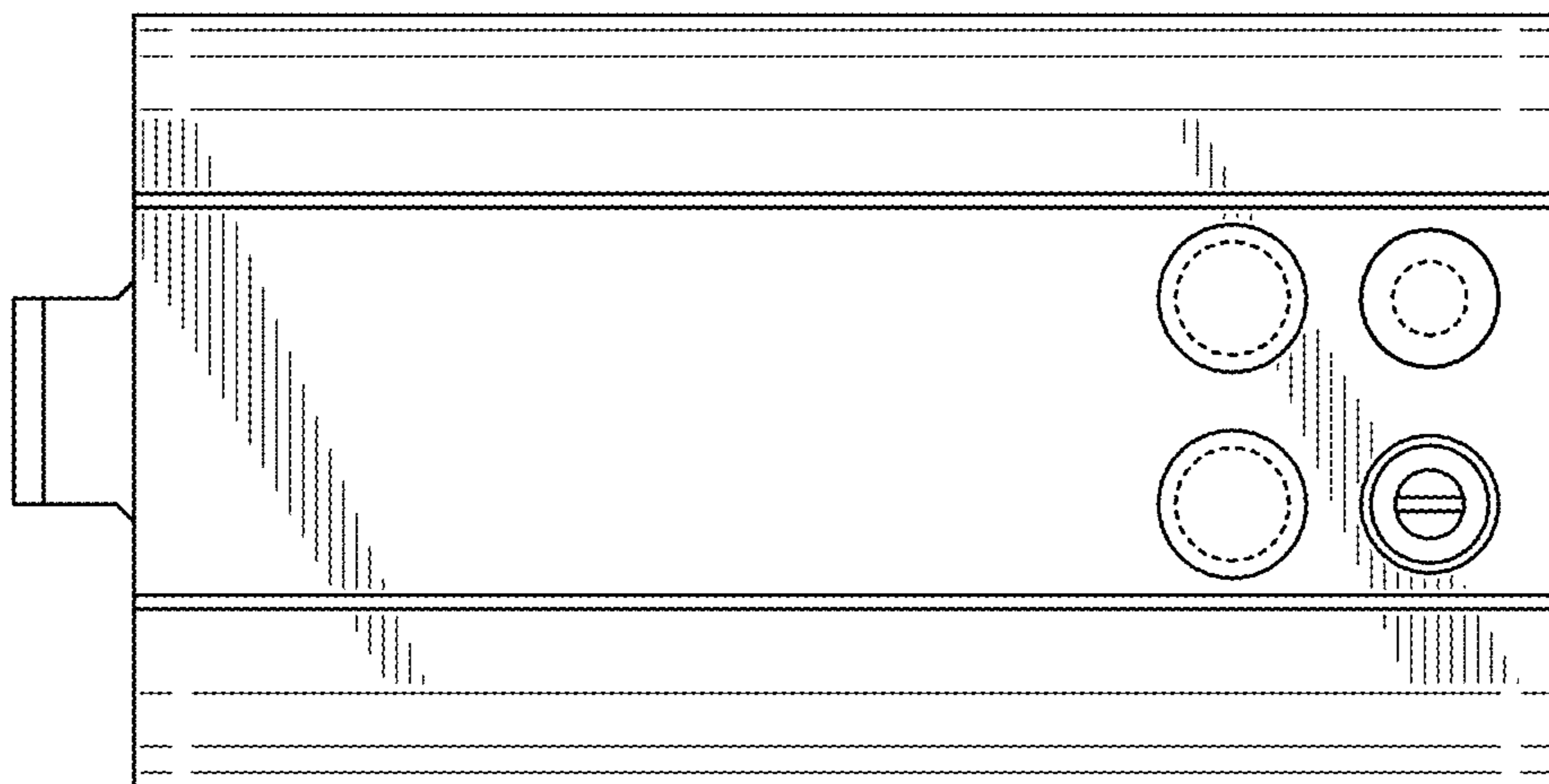


FIG. 6

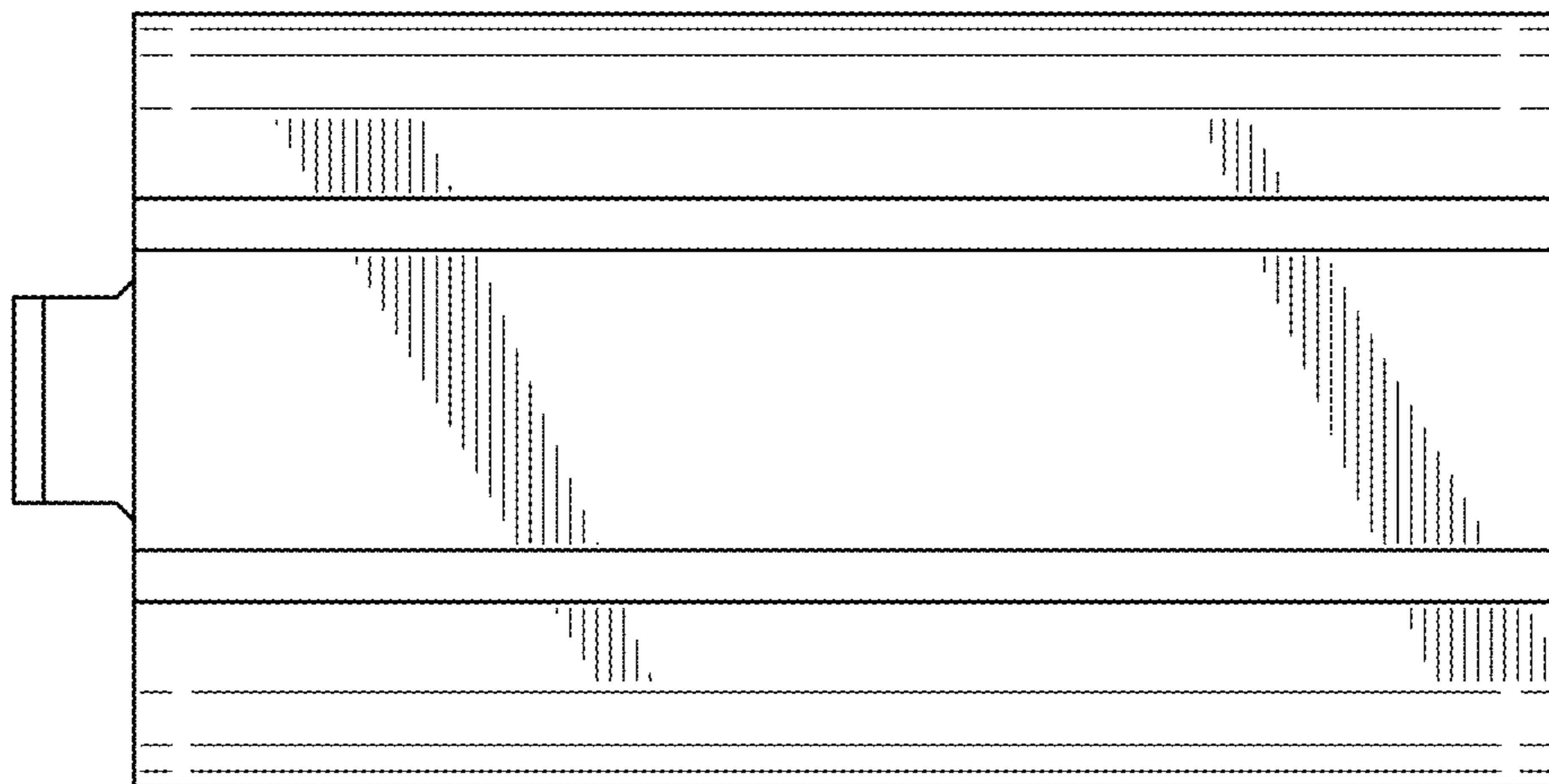




FIG. 7

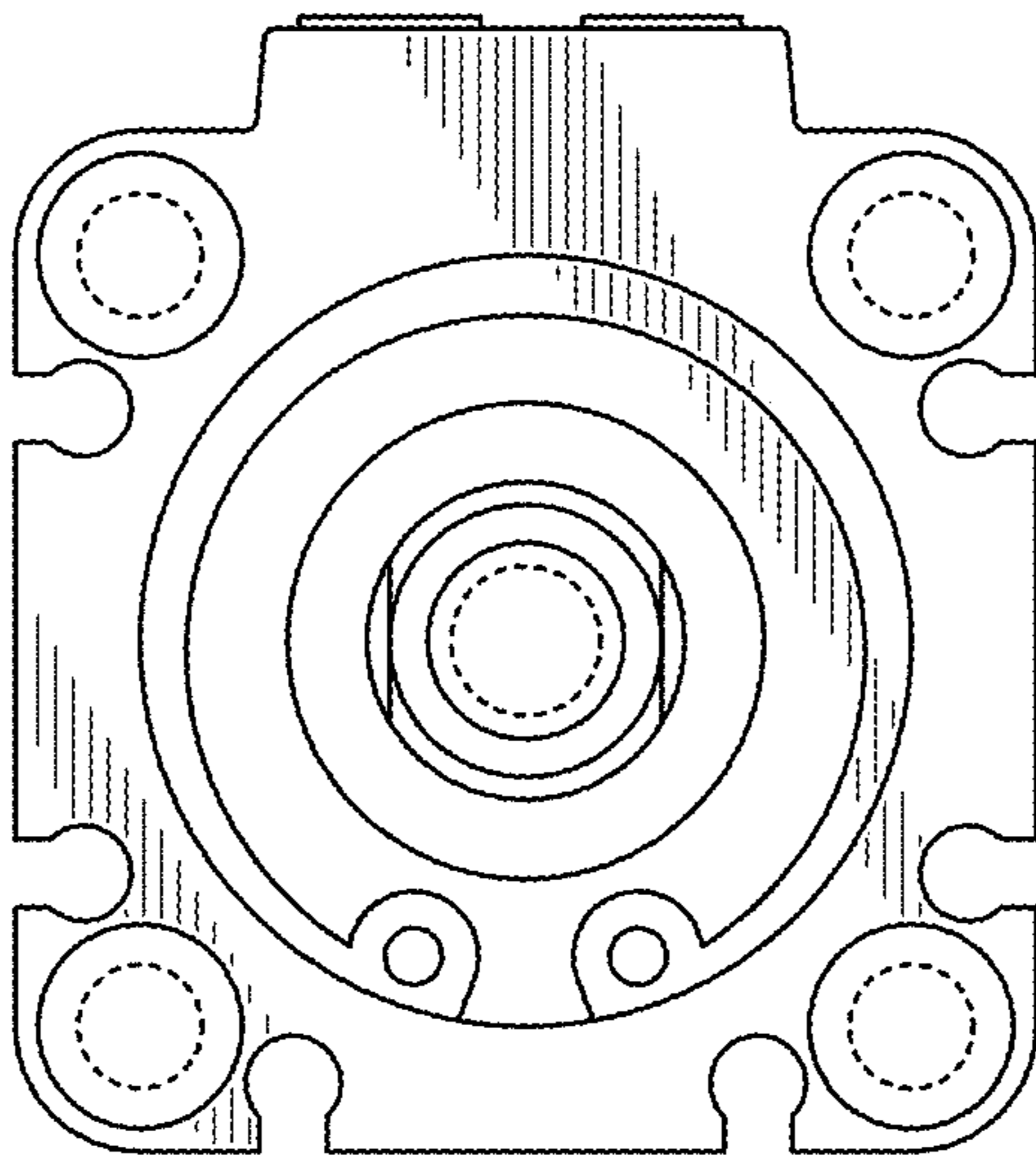


FIG. 8

