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

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(45) **Date of Patent:** **\*\* Oct. 30, 2018**

(54) **ELECTRICALLY OPERATED ACTUATOR**

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(73) Assignee: **NTN CORPORATION**, Osaka (JP)

(\*\*) Term: **15 Years**

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(51) **LOC (11) Cl.** ..... **15-99**

(52) **U.S. Cl.**  
USPC ..... **D15/148**

(58) **Field of Classification Search**  
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D15/122-124, 126-129, 131, 132,  
D15/138-140, 142, 143, 148, 149, 199;  
D18/57  
CPC ..... H02K 7/1166; F16H 25/20; F16H 57/039;  
F16H 2025/2034; F16H 2025/209  
See application file for complete search history.

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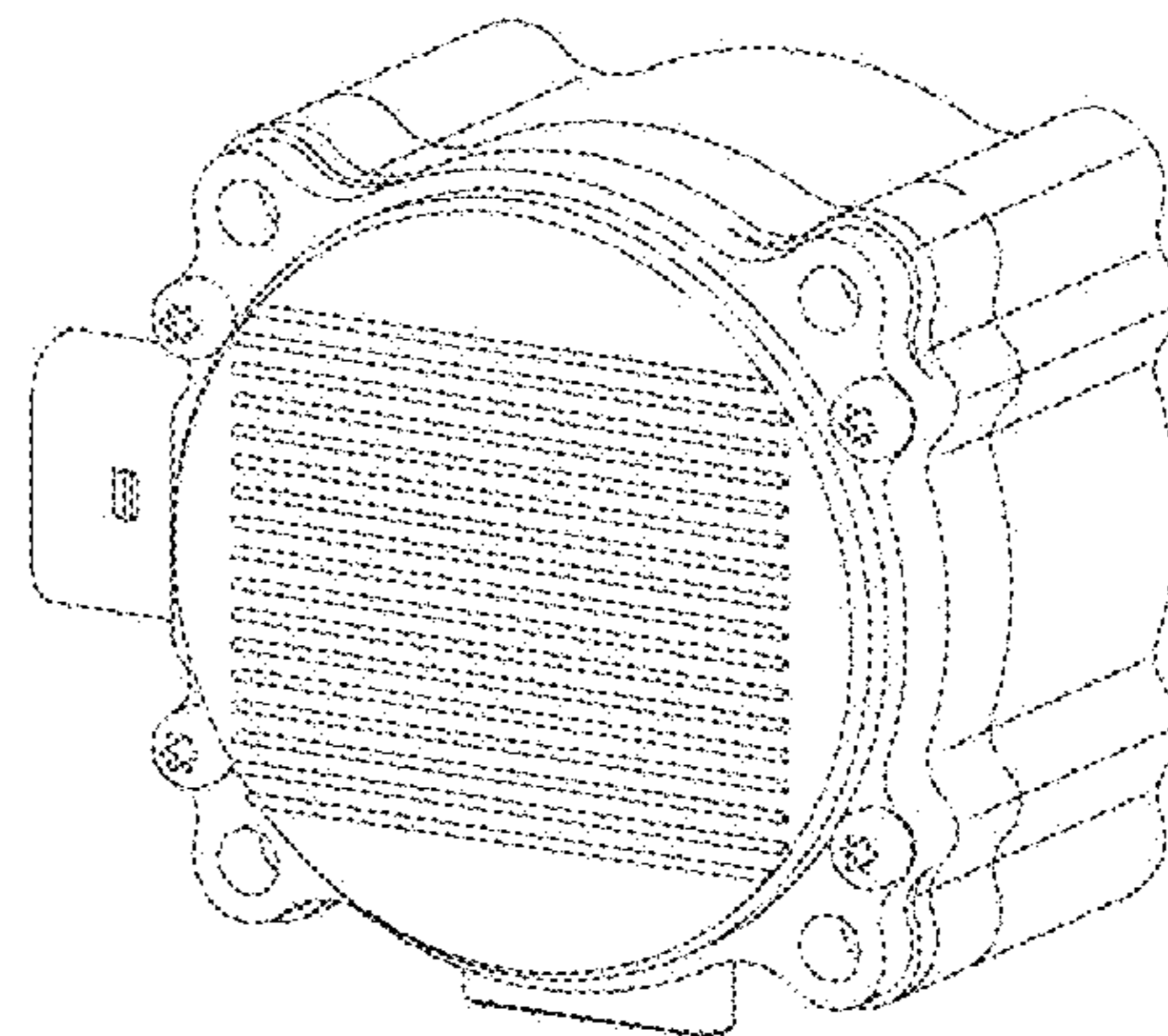
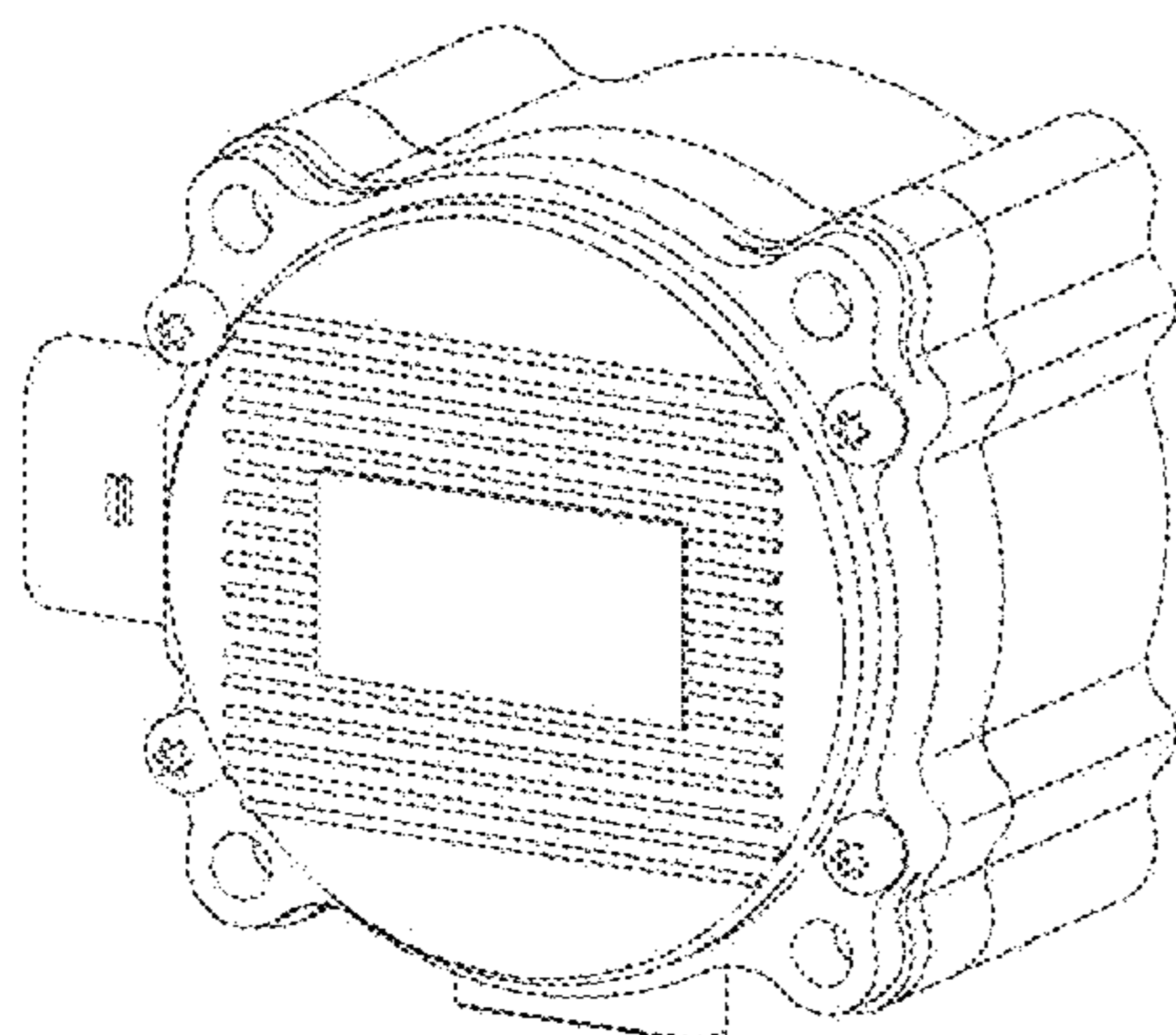
(57) **CLAIM**

I claim the ornamental design for an electrically operated actuator, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view according to a first embodiment of the present design;  
FIG. 2 is a back view of the first embodiment;  
FIG. 3 is a plan view of the first embodiment;  
FIG. 4 is a bottom view of the first embodiment;  
FIG. 5 is a right side view of the first embodiment;  
FIG. 6 is a left side view of the first embodiment;  
FIG. 7 is a reference perspective view as viewed from the front direction according to the first embodiment;  
FIG. 8 is a perspective view from the back of the first embodiment, in a retracted position;  
FIG. 9 is a perspective view from the back of the first embodiment, in a protracted position;  
FIG. 10 is a front view of the second embodiment of the present design;  
FIG. 11 is a back view of the second embodiment;  
FIG. 12 is a plan view of the second embodiment;  
FIG. 13 is a bottom view of the second embodiment;  
FIG. 14 is a right side view of the second embodiment;  
FIG. 15 is a left side view of the second embodiment;  
FIG. 16 is a reference perspective view as viewed from the front direction according to the second embodiment;  
FIG. 17 is a perspective view from the back of the second embodiment, in a retracted position; and,  
FIG. 18 is a perspective view from the back of the second embodiment, in a protracted position.  
The broken lines show portions of an electrically operated actuator that form no part of the claimed design.

**1 Claim, 18 Drawing Sheets**



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2016/0153527	A1	*	6/2016	Okada	.....	F16H 1/145
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FIG. 1

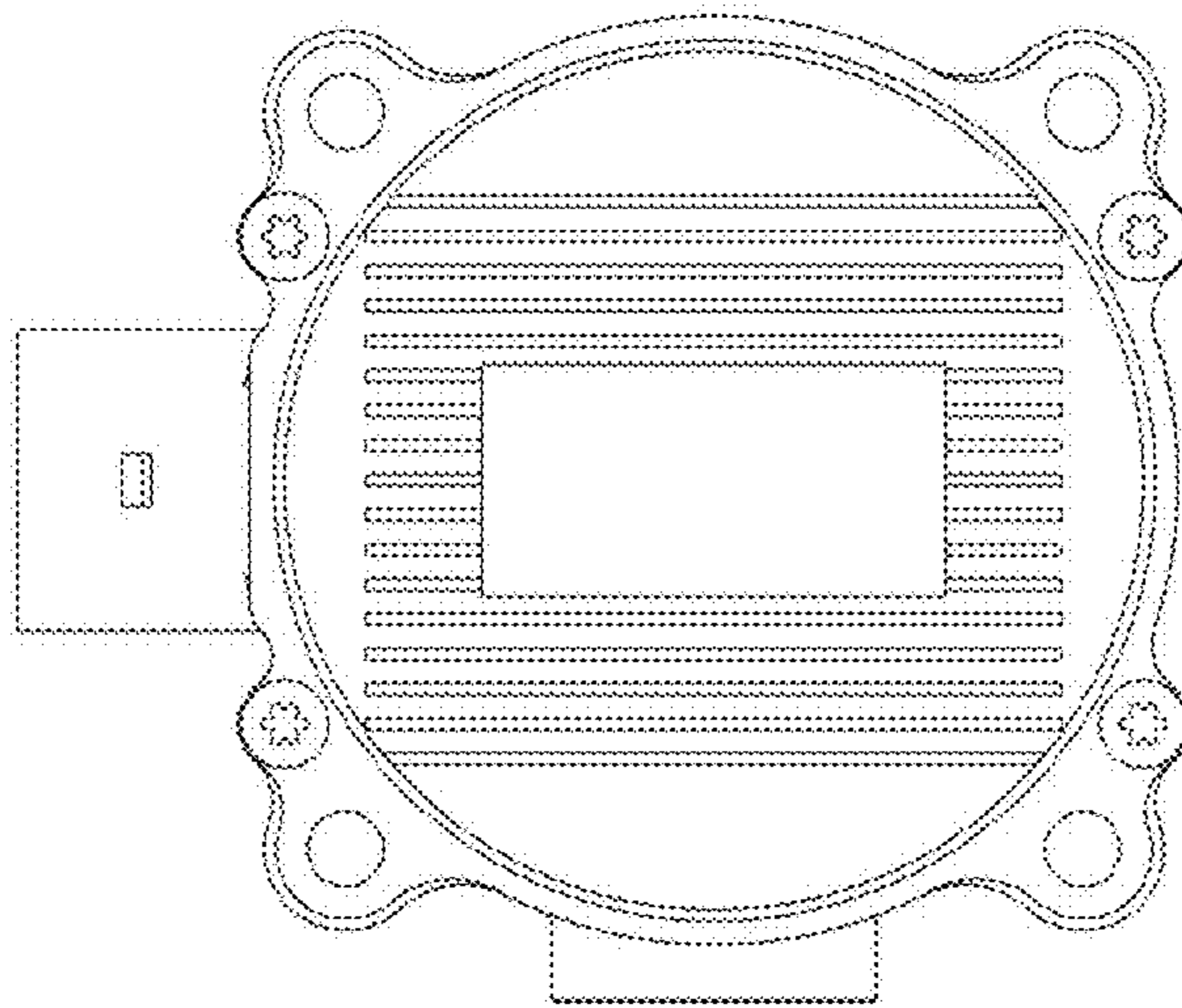


FIG. 2

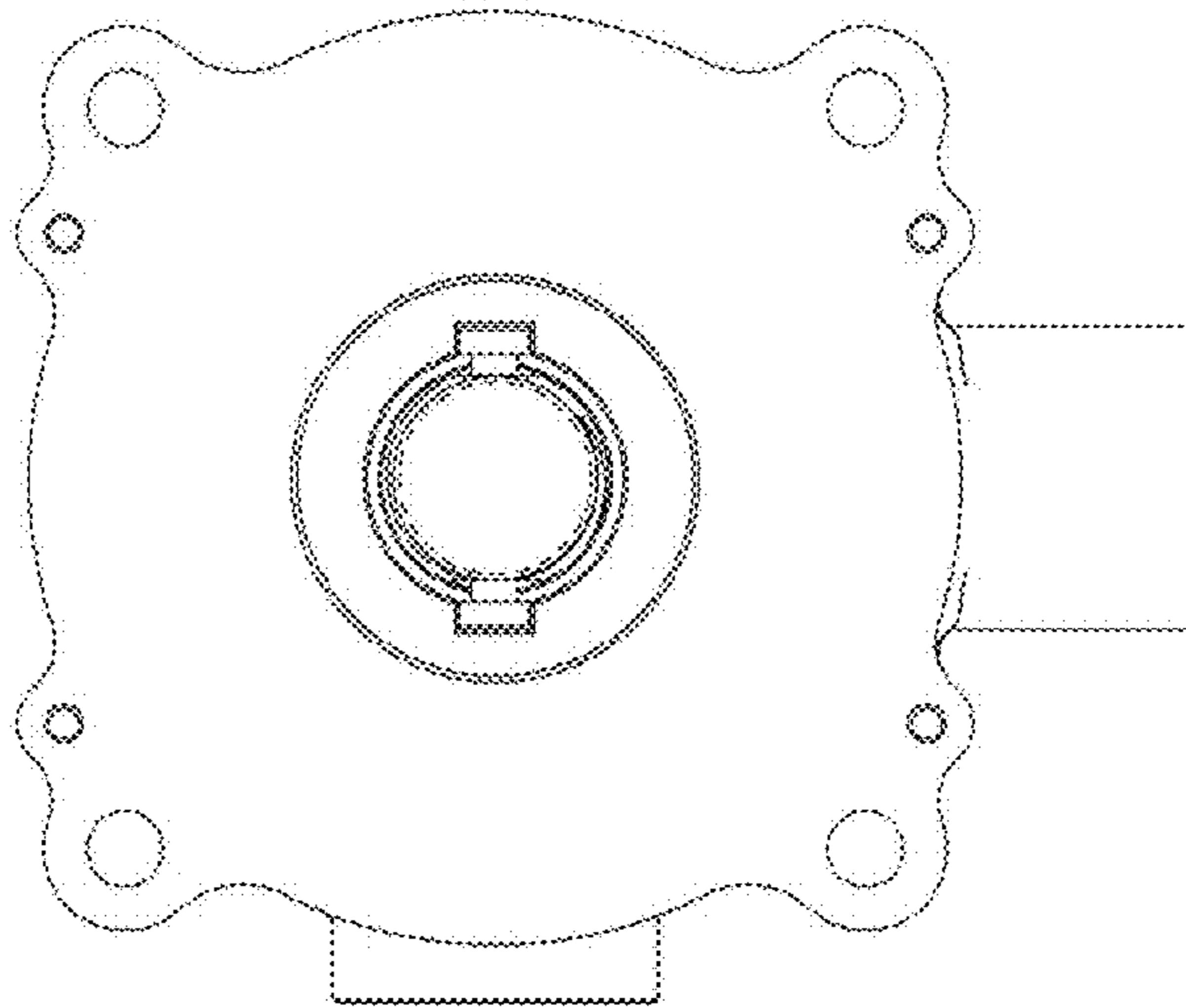


FIG. 3

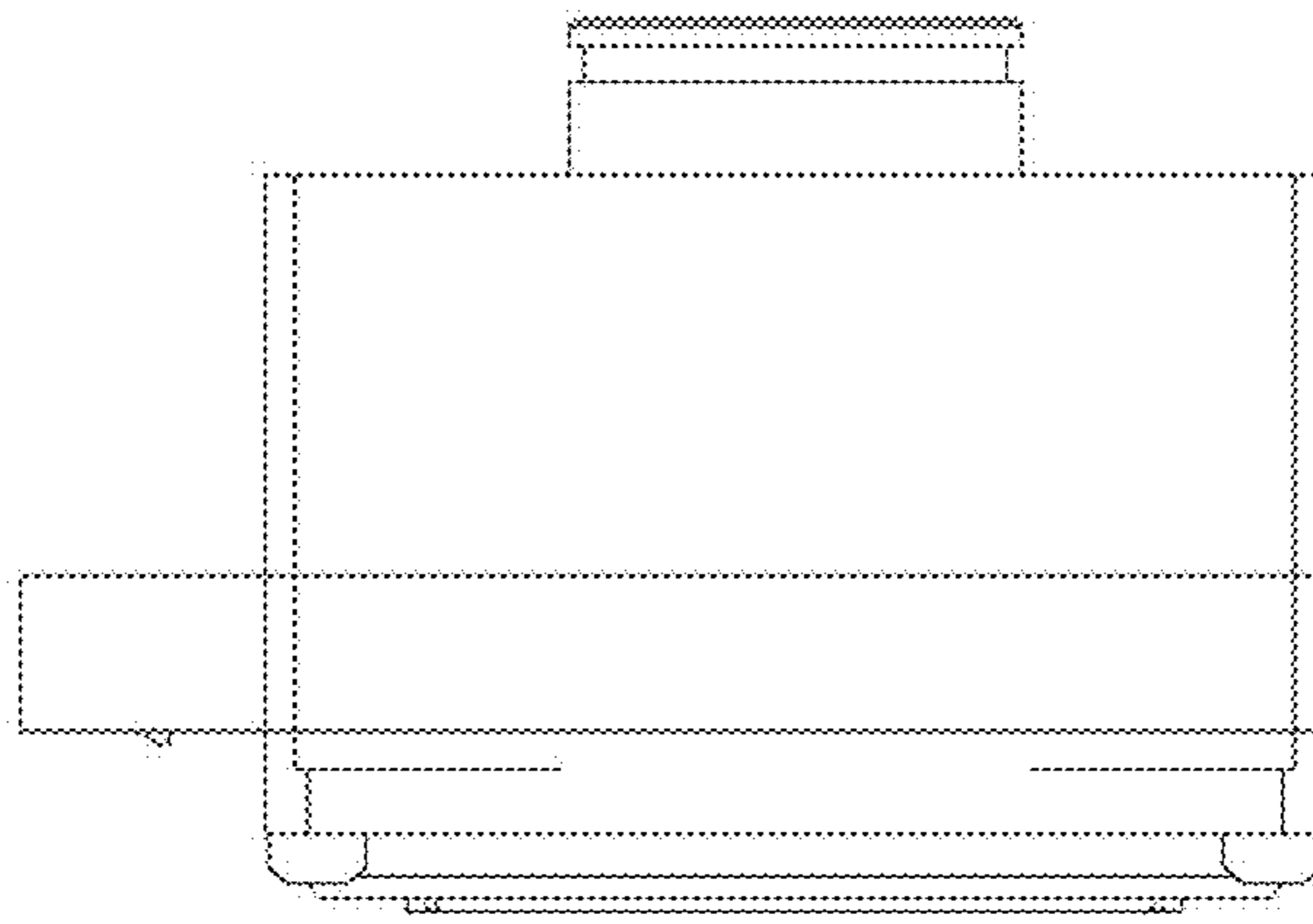


FIG. 4

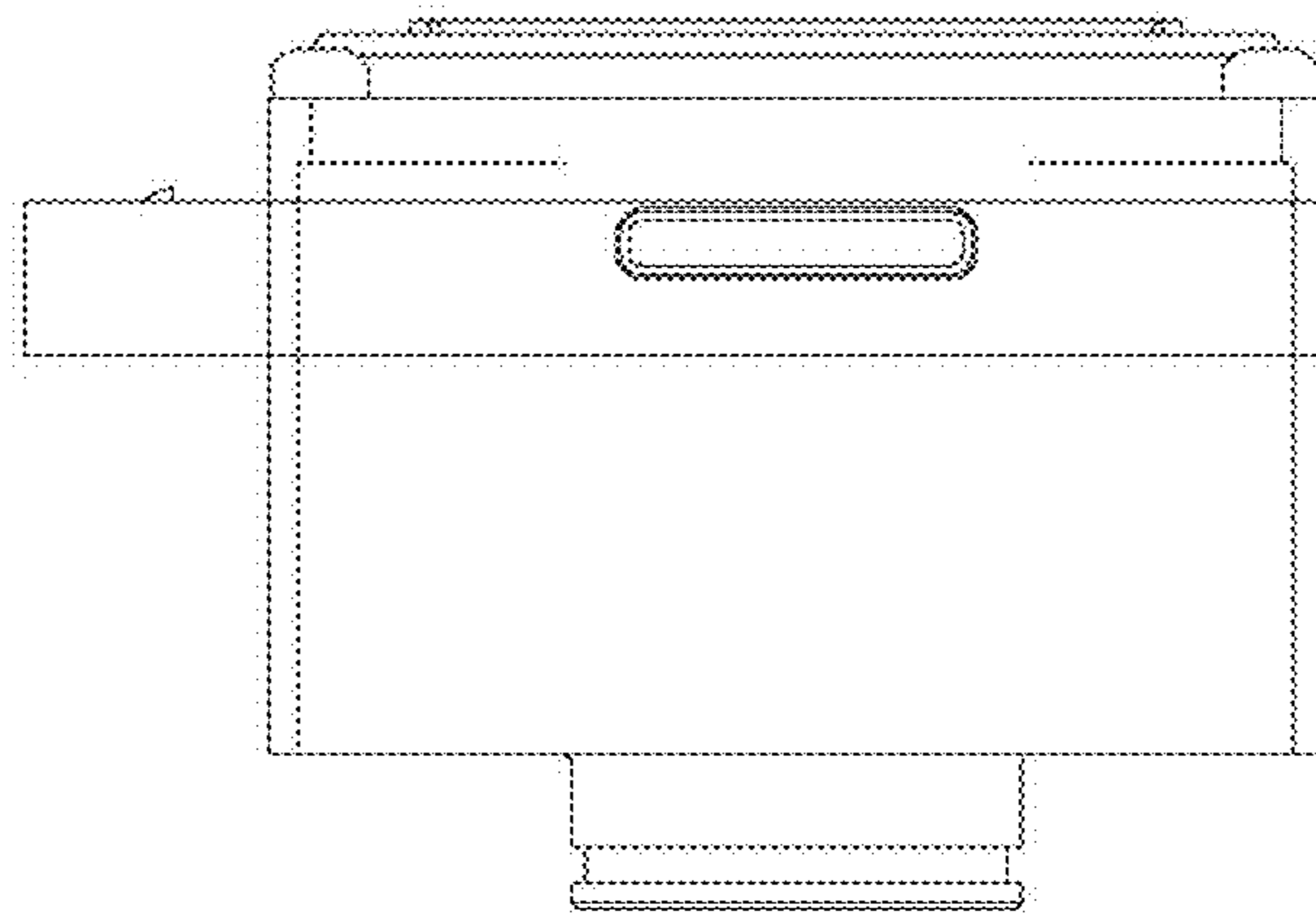


FIG. 5

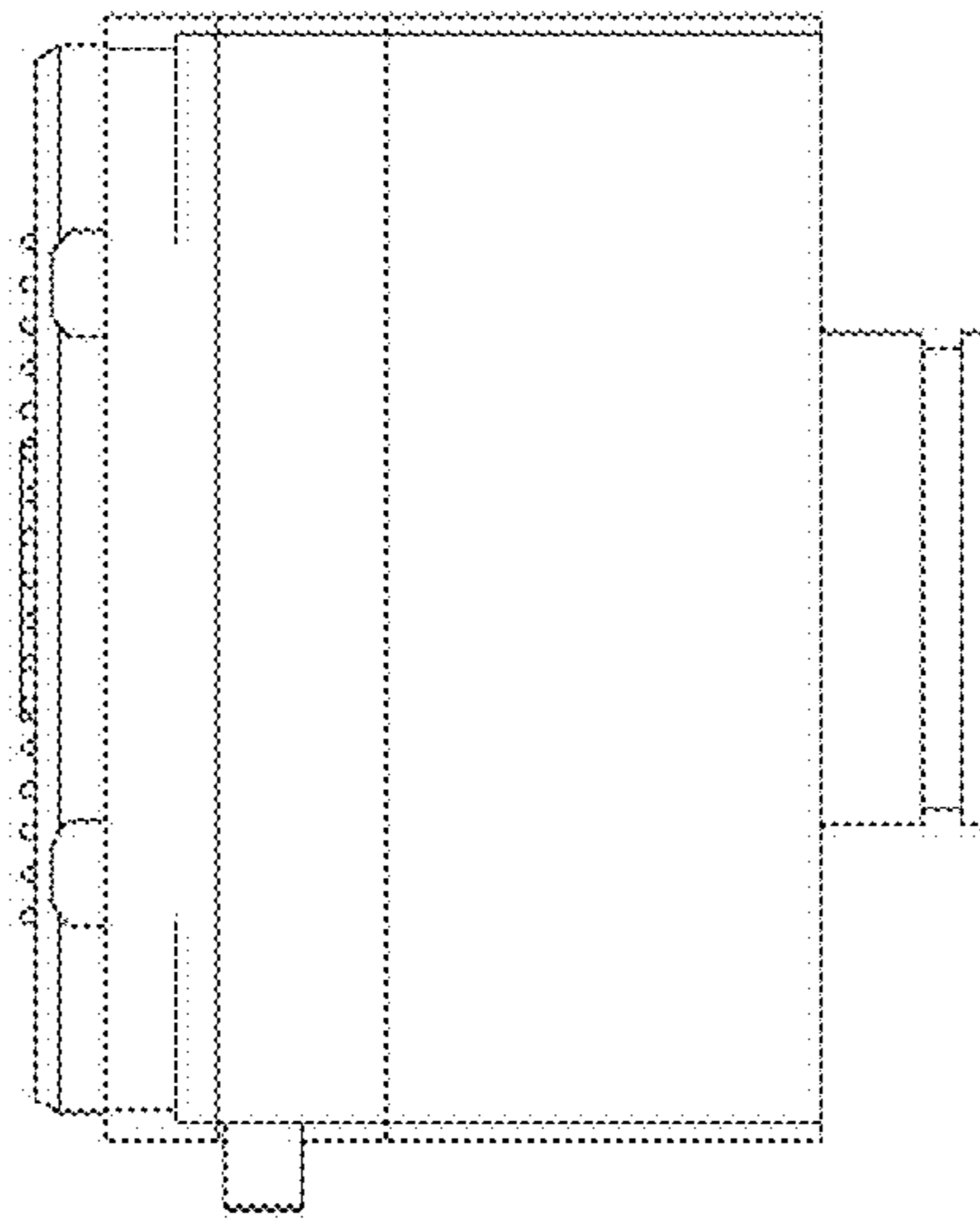


FIG. 6

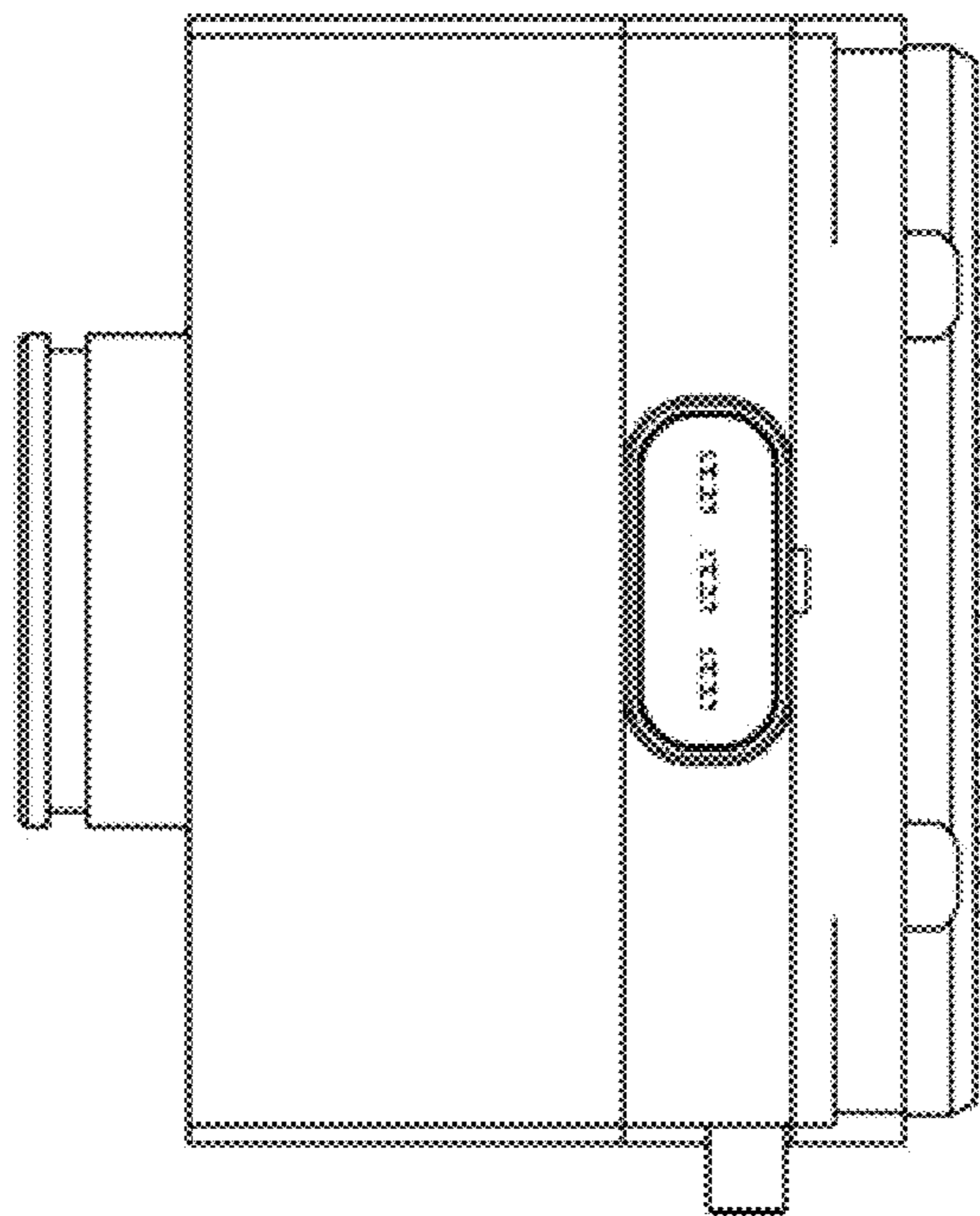




FIG. 7

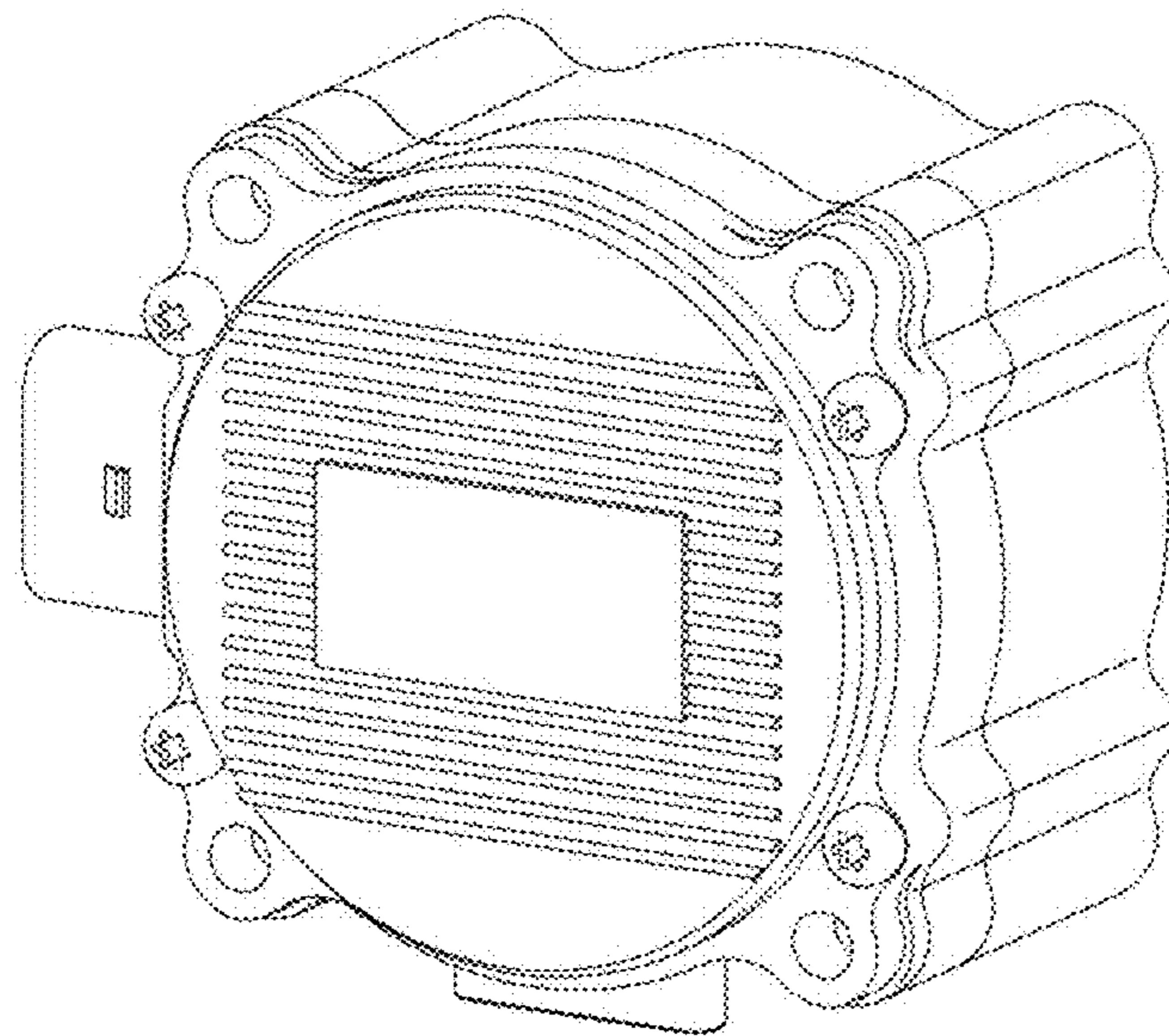


FIG. 8

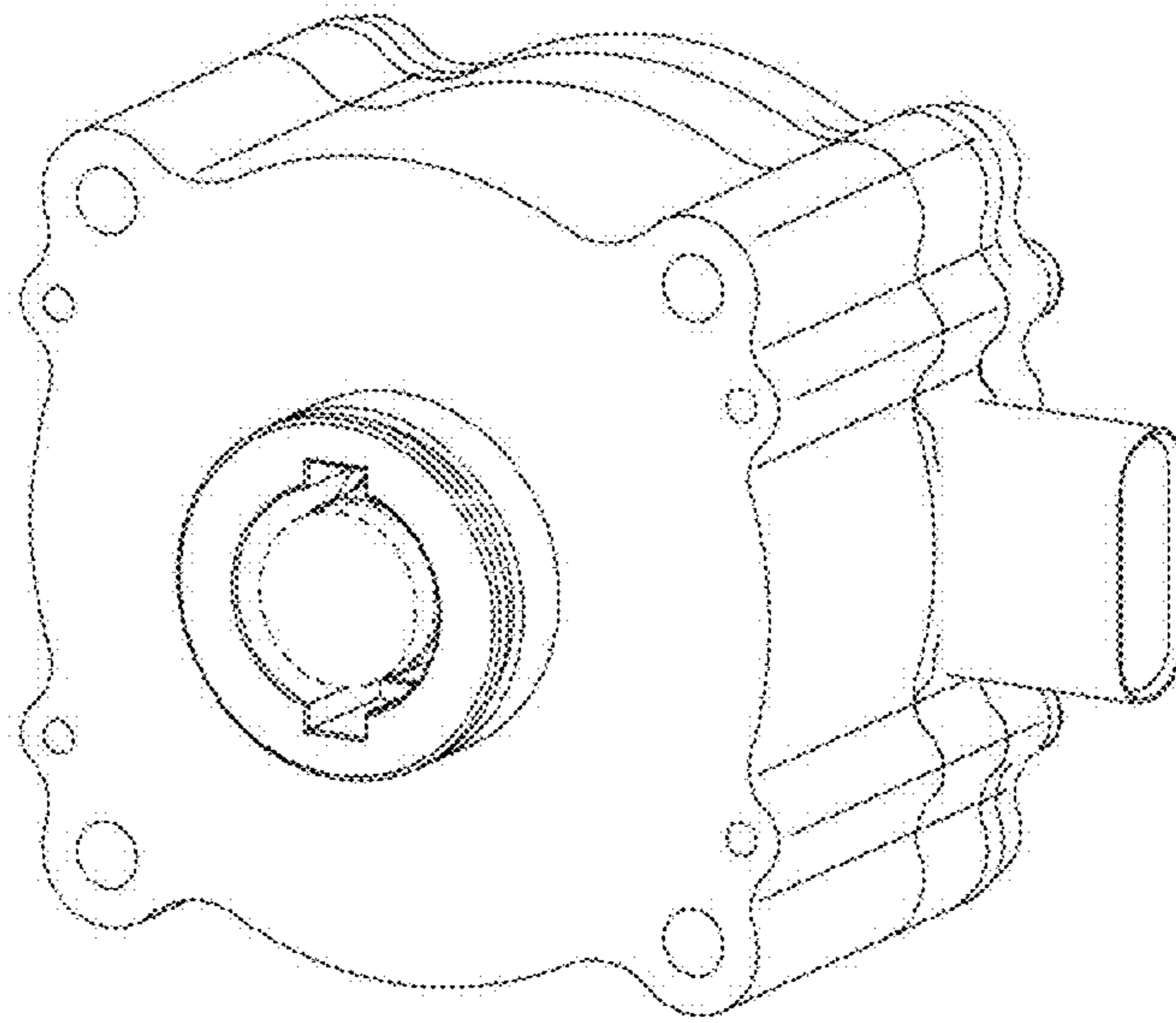


FIG. 9

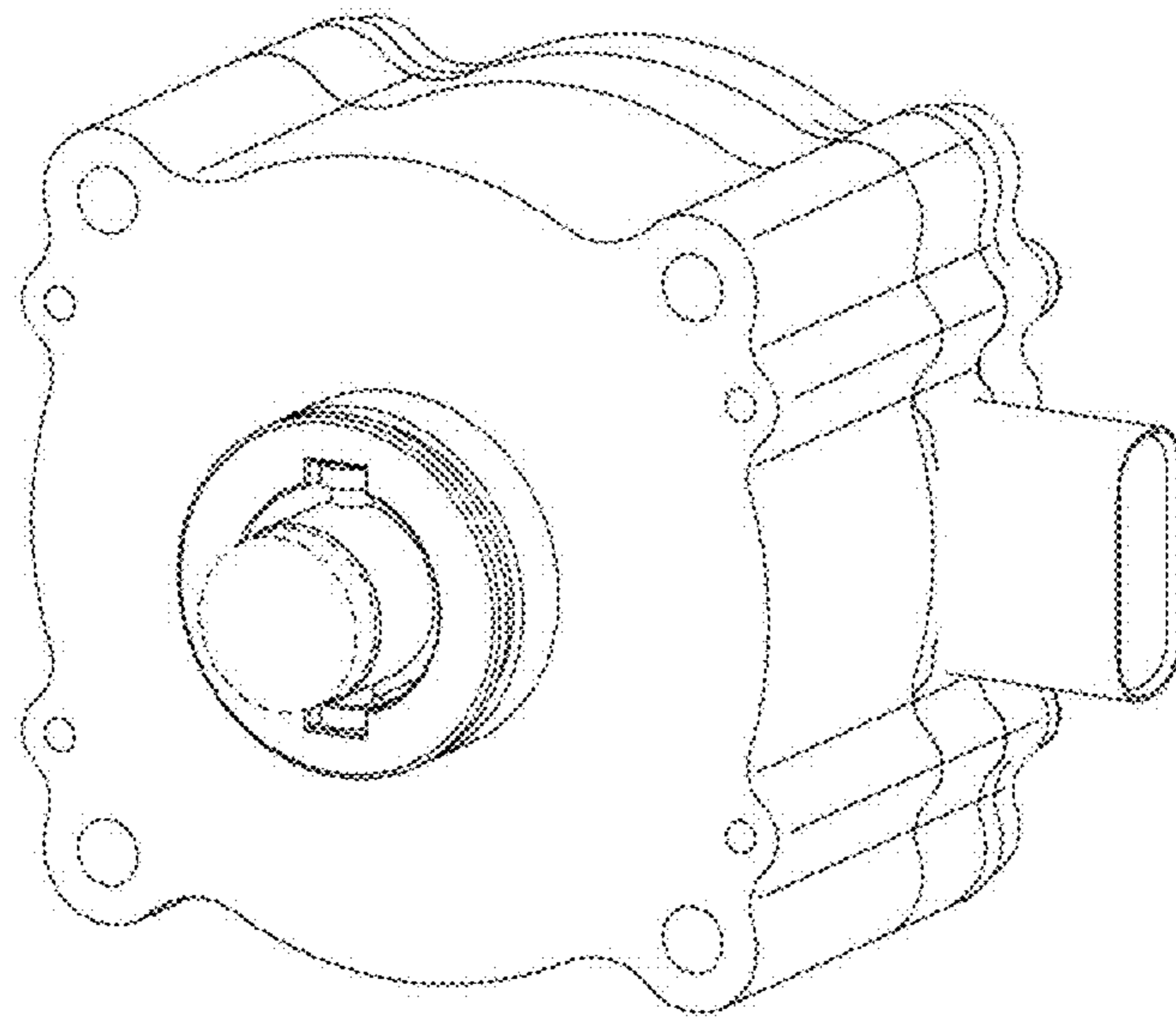


FIG. 10

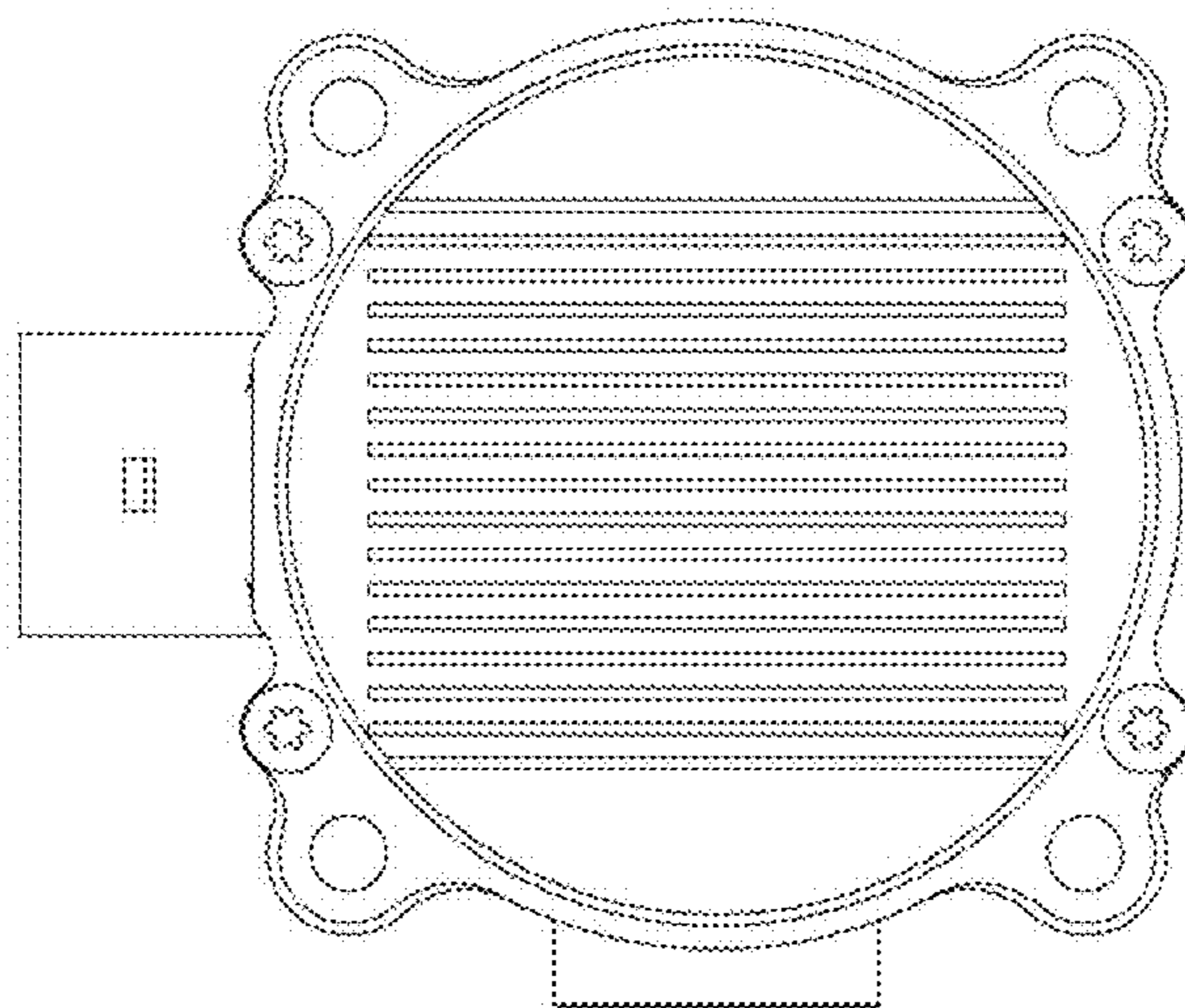


FIG. 11

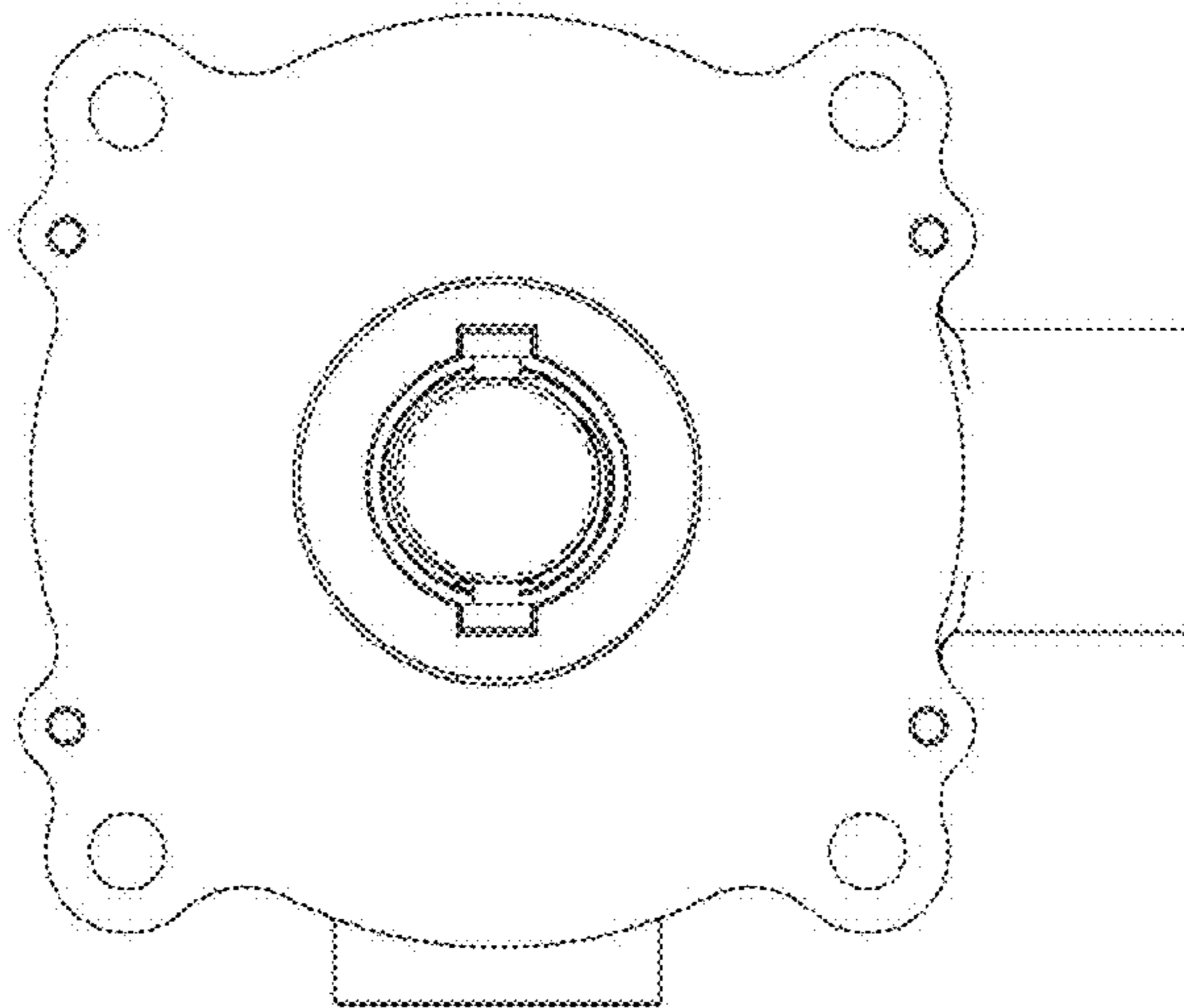


FIG. 12

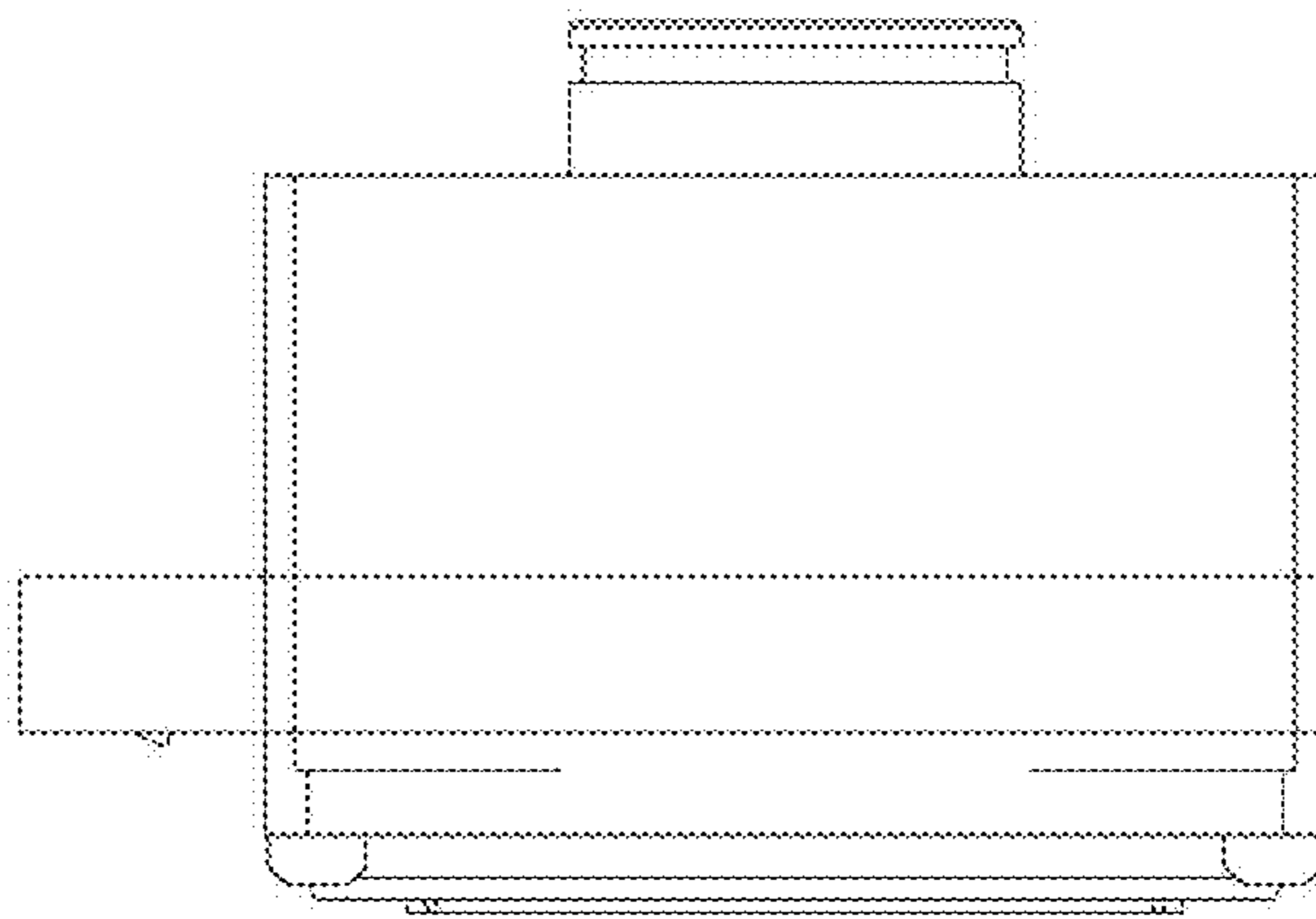


FIG. 13

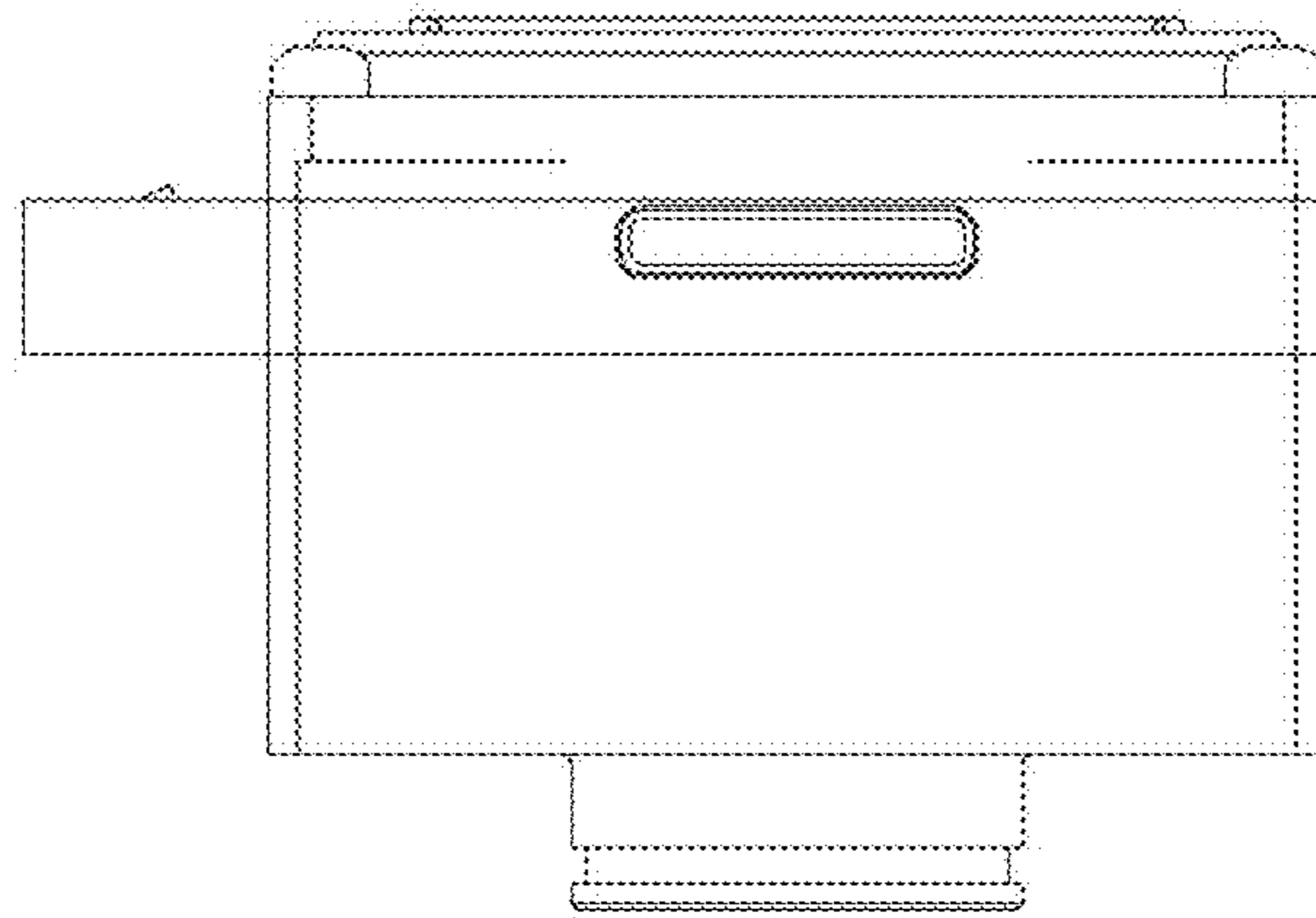


FIG. 14

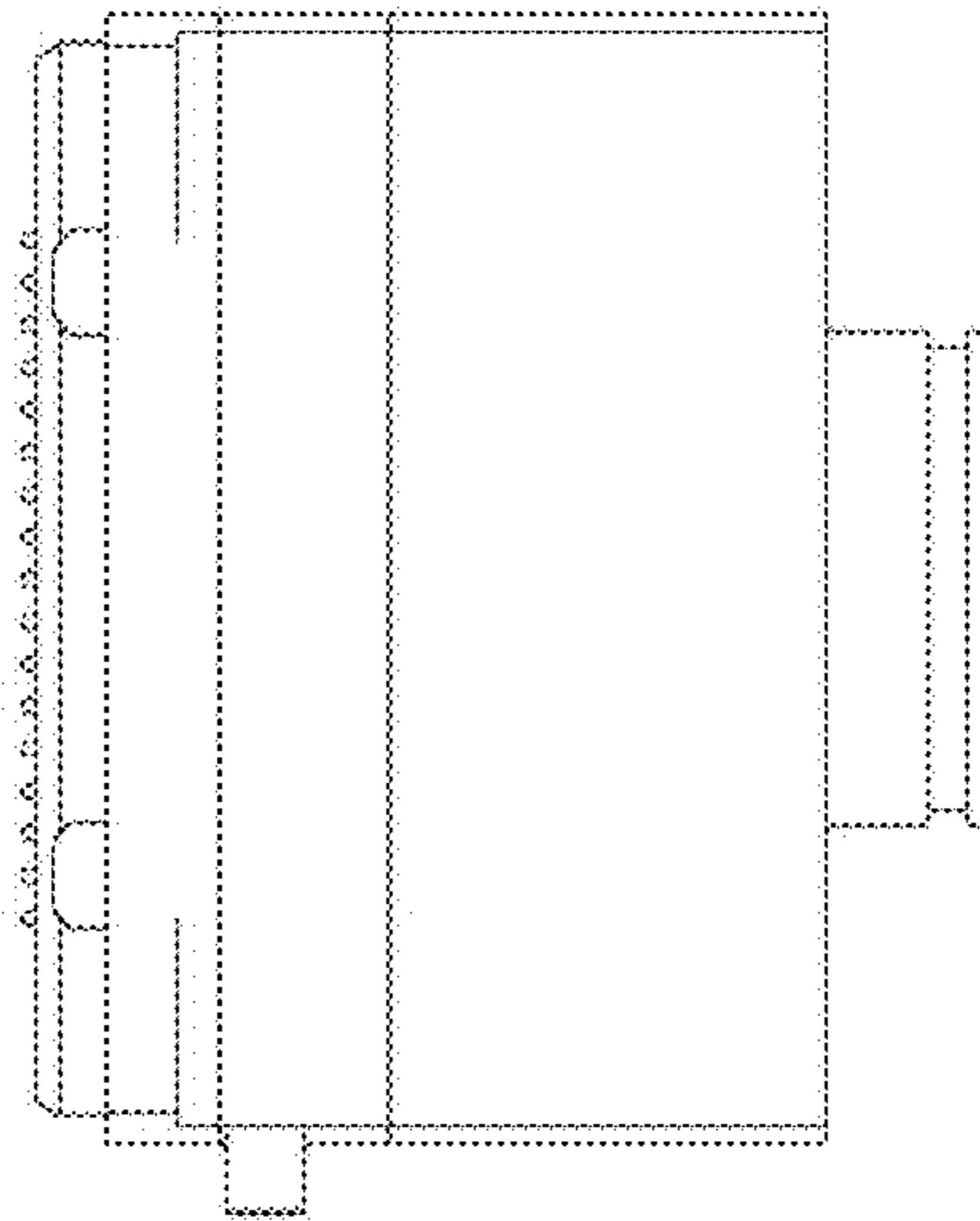




FIG. 15

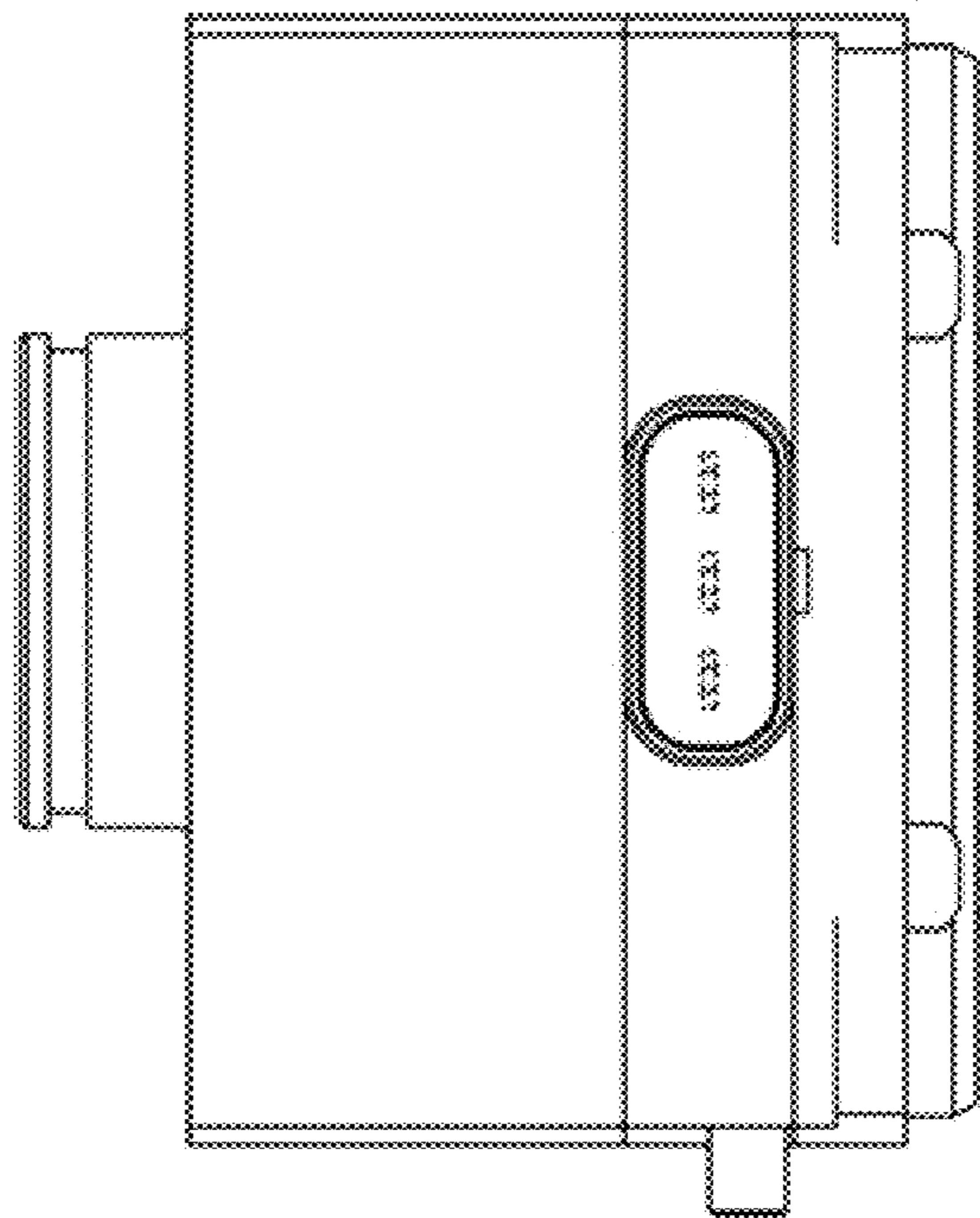


FIG. 16

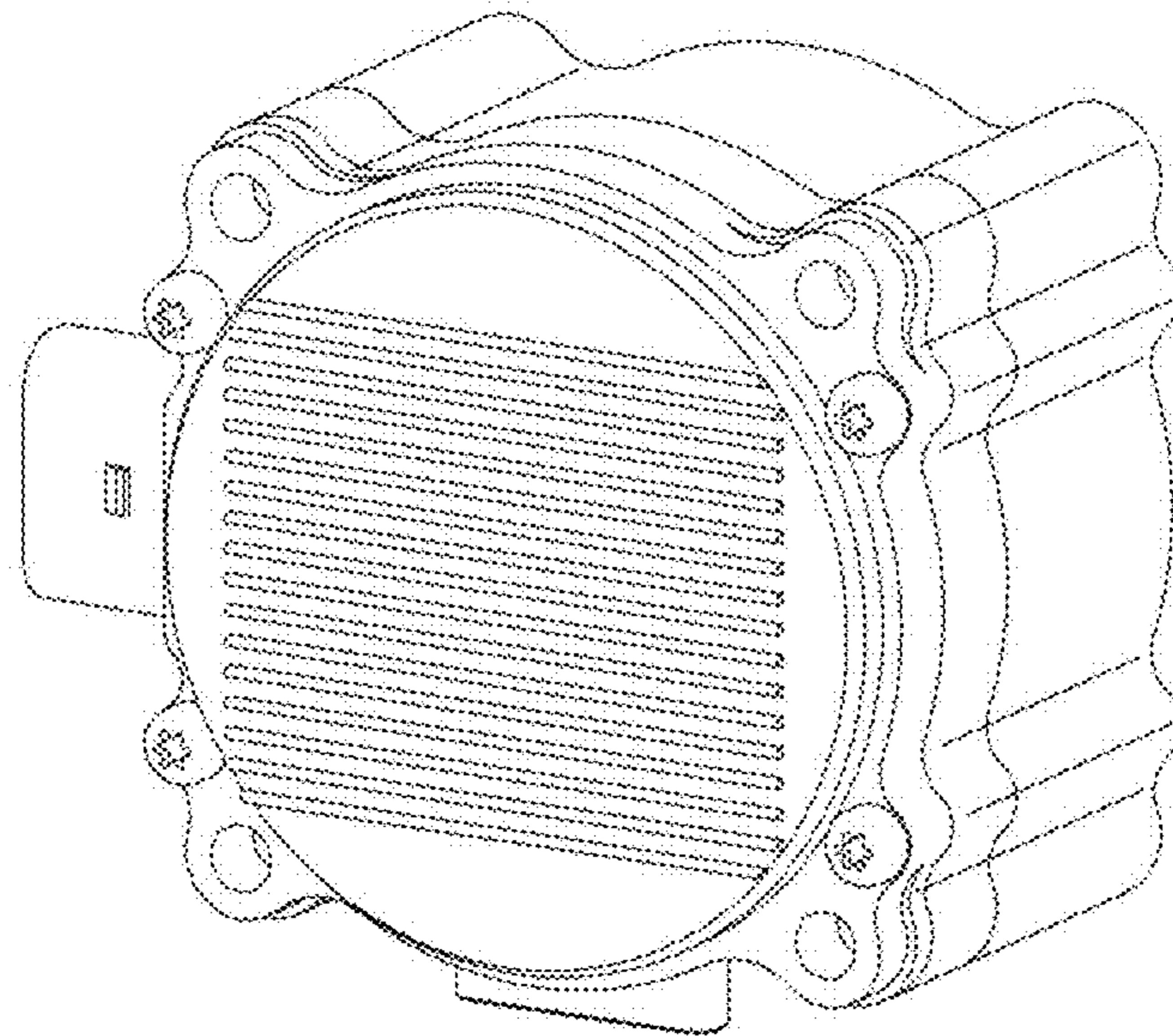


FIG. 17

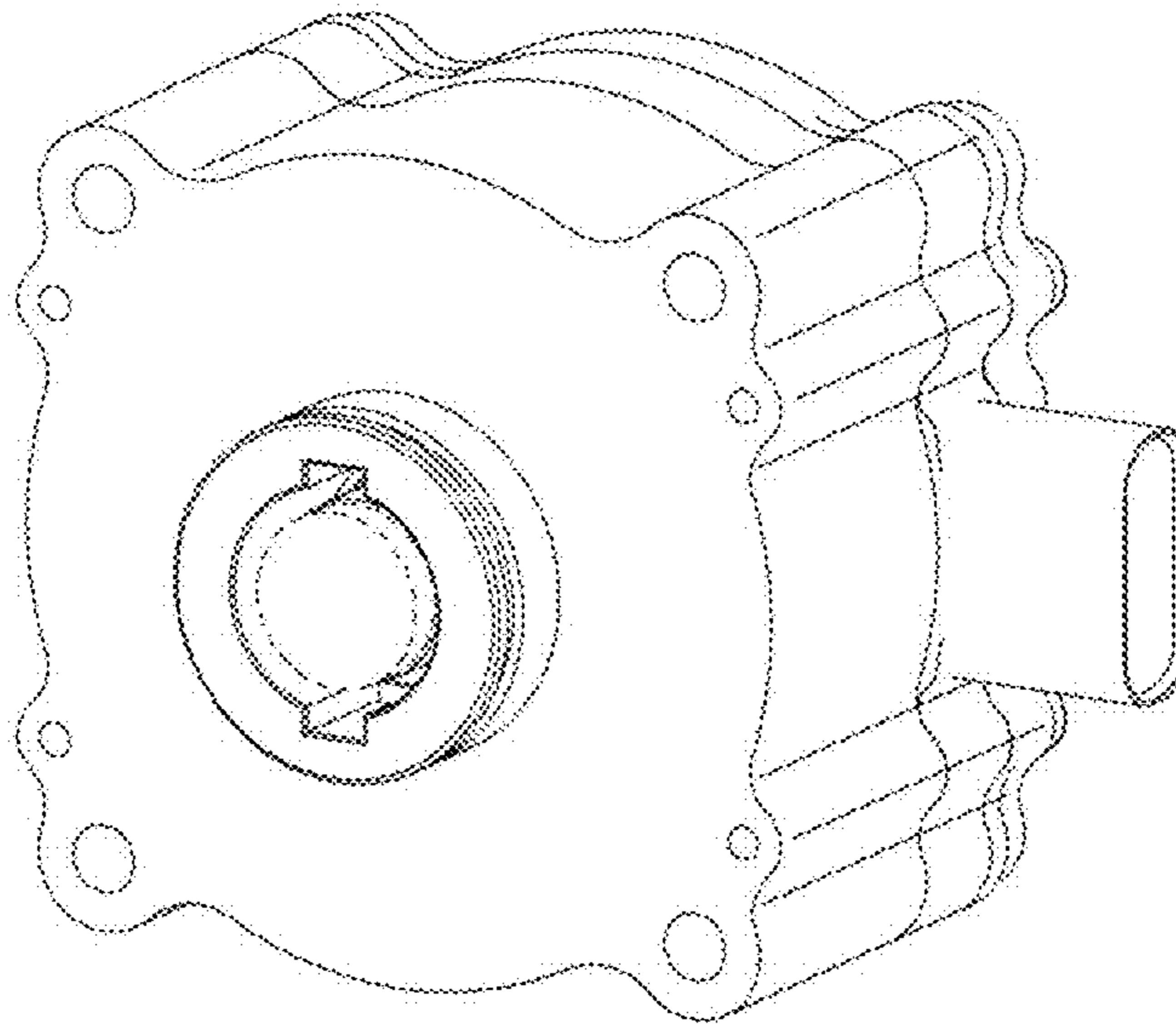


FIG. 18

