



US00D783128S

(12) **United States Design Patent** (10) **Patent No.:** **US D783,128 S**  
**Miyazoe et al.** (45) **Date of Patent:** **\*\* Apr. 4, 2017**

(54) **ELECTROMAGNETIC DRIVING PILOT VALVE**

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(73) Assignee: **SMC CORPORATION**, Chiyoda-ku (JP)

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

(21) Appl. No.: **29/560,536**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/233**

(58) **Field of Classification Search**  
USPC ..... D23/233-249, 270, 271, 259; 4/305; D15/7, 199; 137/554, 557, 560, 882, 884, 137/343, 625.64, 269, 271, 487.5, 599.07, 137/656.6, 596.14, 115.19, 115.23, 15.2, 137/1, 57, 50; 251/331, 219, 15, 130, 251/129.04, 129.15, 129.01, 30.04, 25, 251/38, 28, 41, 172; 239/585.1  
CPC ... E03C 1/05; E03D 5/10; E03D 13/00; F16K 31/02; F16K 13/06; H01F 7/081; Y10T 137/86582; Y10T 137/7762; Y10T 137/7758; Y10T 137/87193; Y10T 137/7768; Y10T 137/8326; Y10T 137/7765; Y10T 137/87225

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D563,507 S *	3/2008	Kato	.....	D23/233
D563,516 S *	3/2008	Mita	.....	D23/233
D704,303 S *	5/2014	Yoshimura	.....	D23/233
D720,044 S *	12/2014	Enzaki	.....	D23/233
D721,787 S *	1/2015	Yoshimura	.....	D23/233
D752,182 S *	3/2016	Umeda	.....	D23/233

\* cited by examiner

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(57) **CLAIM**

The ornamental design for an electromagnetic driving pilot valve, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of an electromagnetic driving pilot valve showing our new design, the rear elevational view being a mirror image of the front elevational view;

FIG. 2 is a top plan view thereof;

FIG. 3 is a bottom plan view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a front, top, and left side perspective view thereof; and,

FIG. 7 is a rear, bottom, and right side perspective view thereof.

The broken lines shown in the figures are for the purpose of illustrating portions of the electromagnetic driving pilot valve and form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**

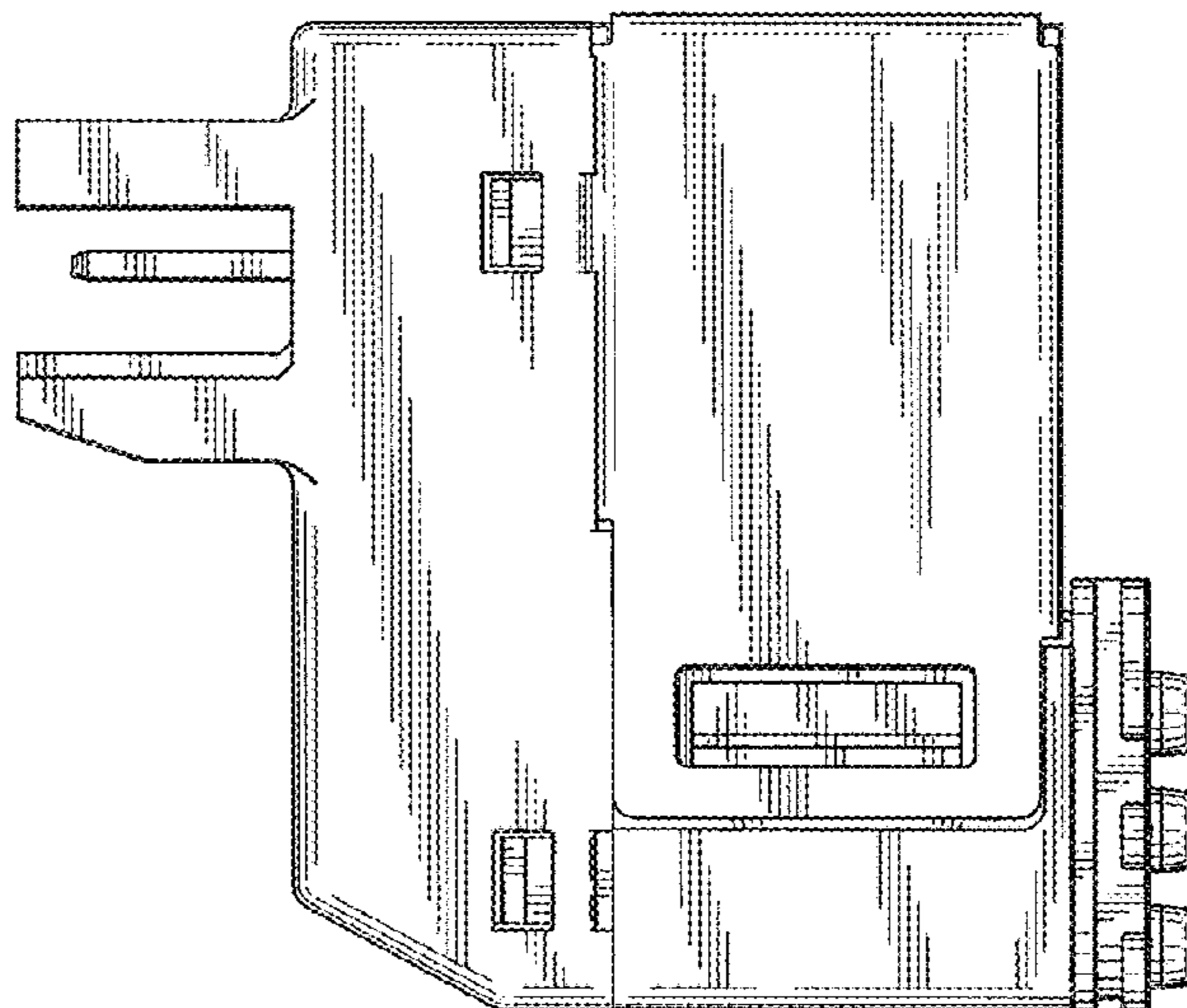


FIG. 1

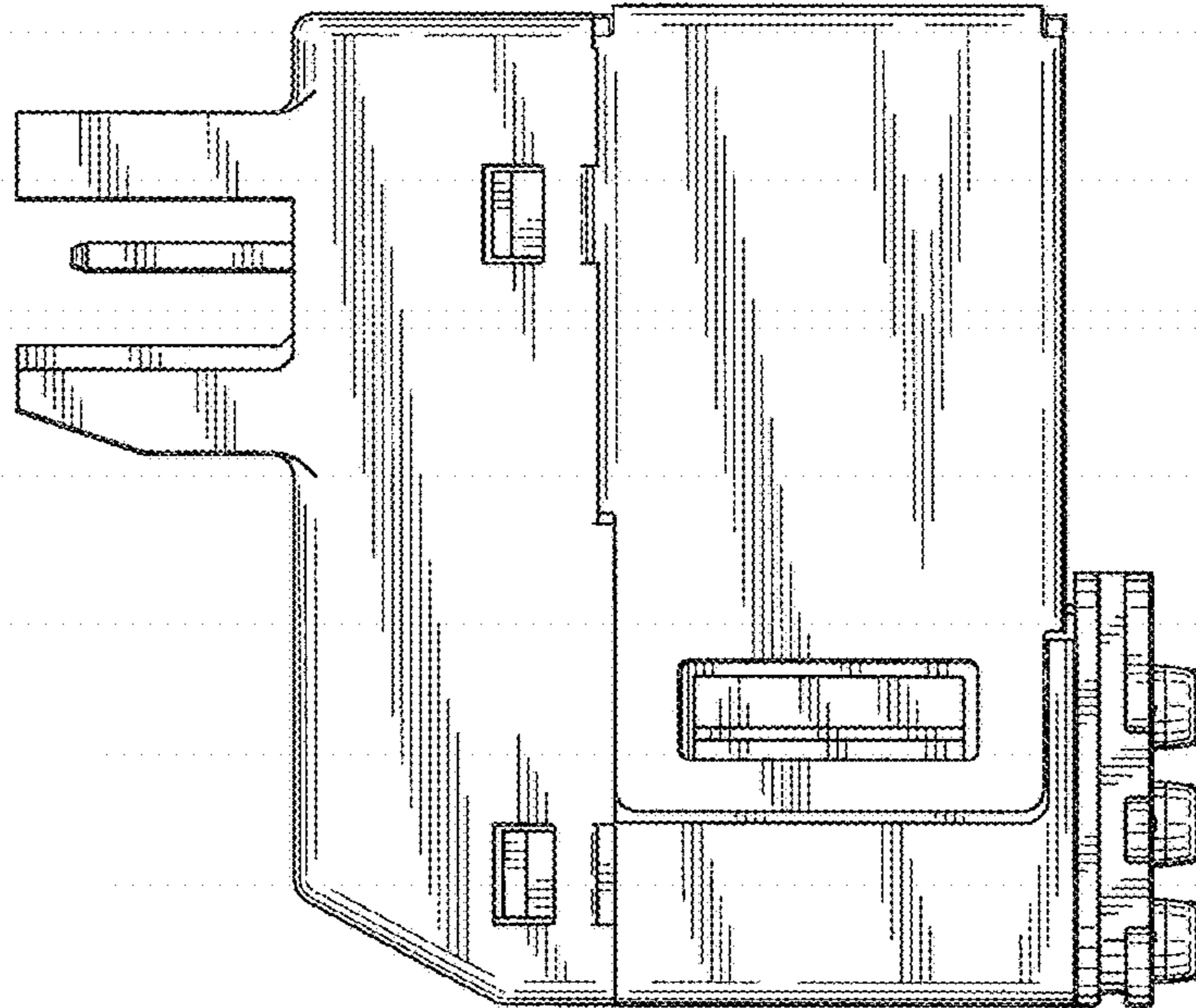


FIG. 2

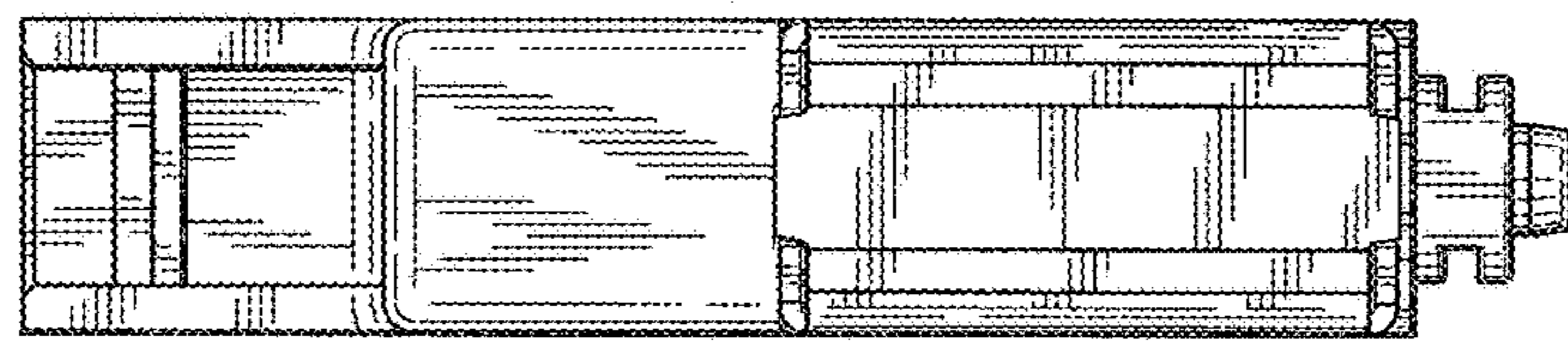


FIG. 3

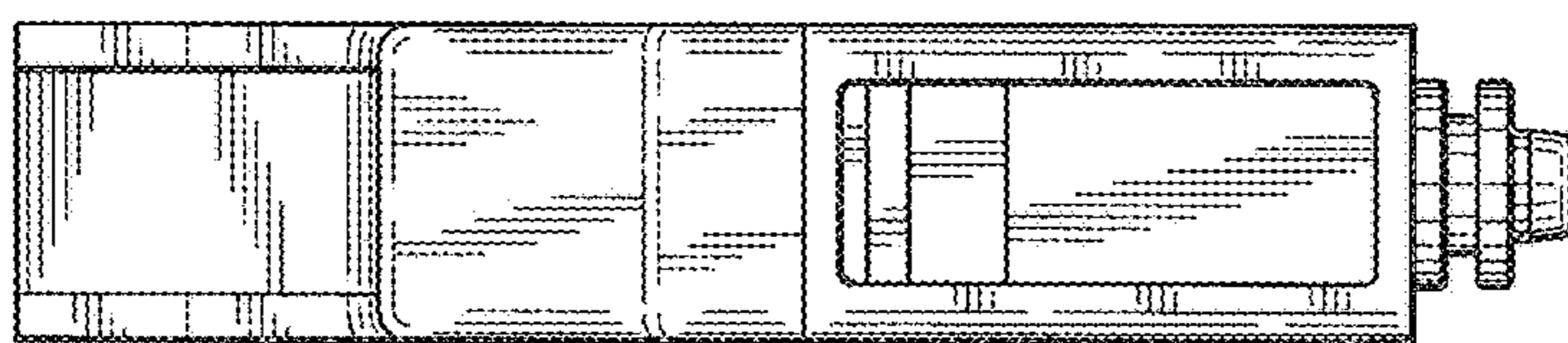


FIG. 4

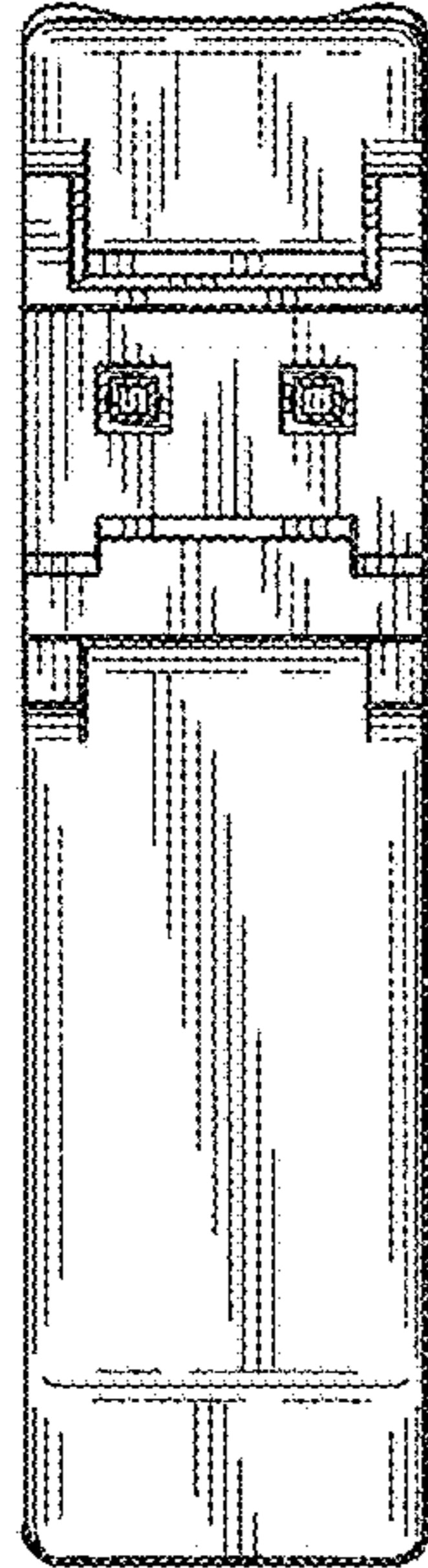


FIG. 5

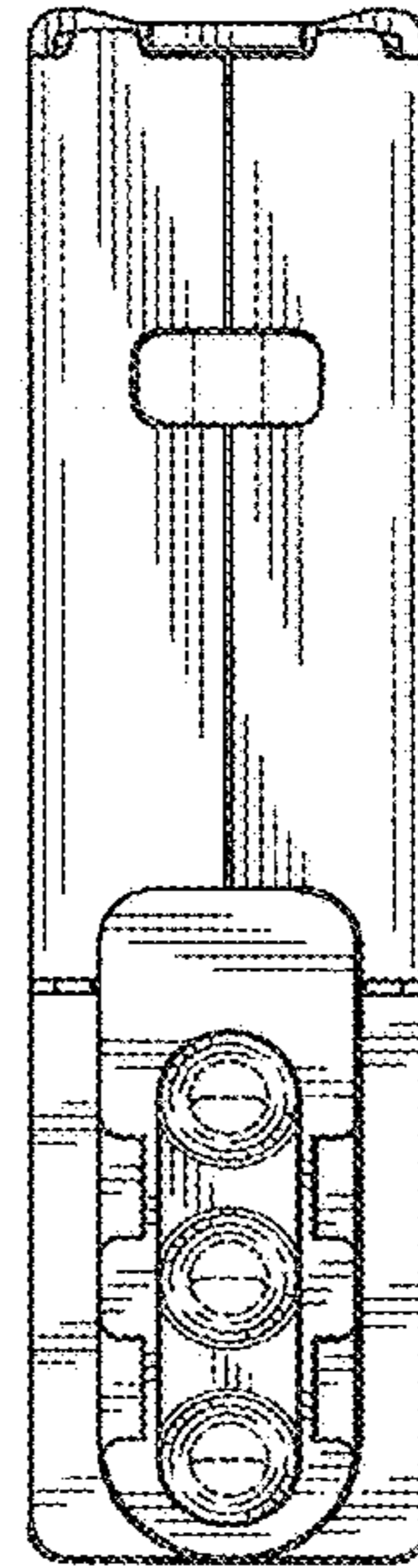


FIG. 6

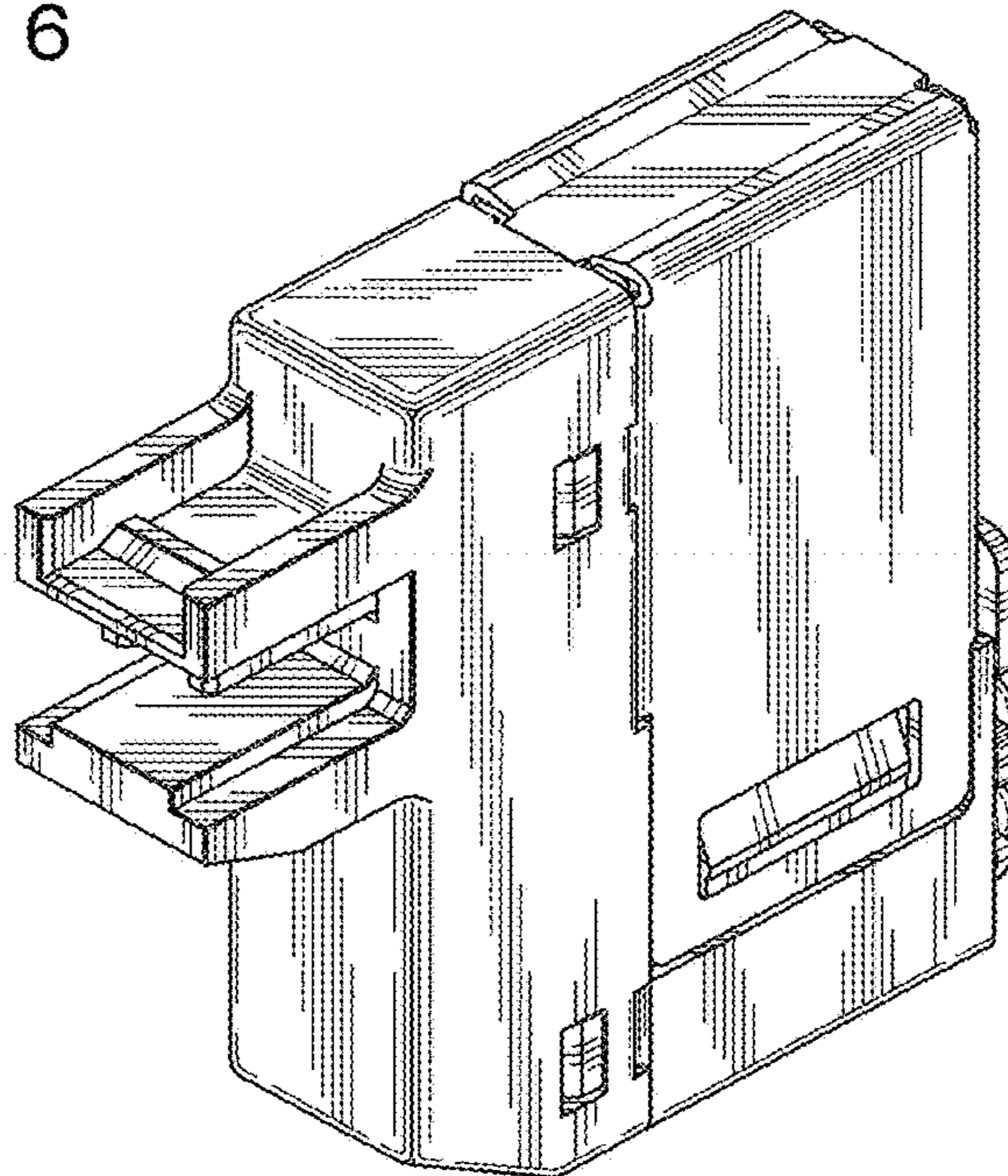


FIG. 7

