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

(10) **Patent No.:** **US D872,836 S**
(45) **Date of Patent:** **** Jan. 14, 2020**

(54) **BUTTERFLY VALVE**
(71) Applicant: **A.R. Arena Products, Inc.**, Rochester, NY (US)

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(Continued)

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

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(21) Appl. No.: **29/665,422**

(57) **CLAIM**

(22) Filed: **Oct. 3, 2018**

The ornamental design for a butterfly valve, as shown and described.

(51) **LOC (12) Cl.** **23-01**

DESCRIPTION

(52) **U.S. Cl.**
USPC **D23/244**

(58) **Field of Classification Search**
USPC D23/233, 249, 235, 237, 241, 244, 245;
137/15.25, 601.17, 625.31; 251/305, 306,
251/308, 173
CPC F16K 1/226; F16K 27/02; F16K 1/2265;
F16K 27/0218
See application file for complete search history.

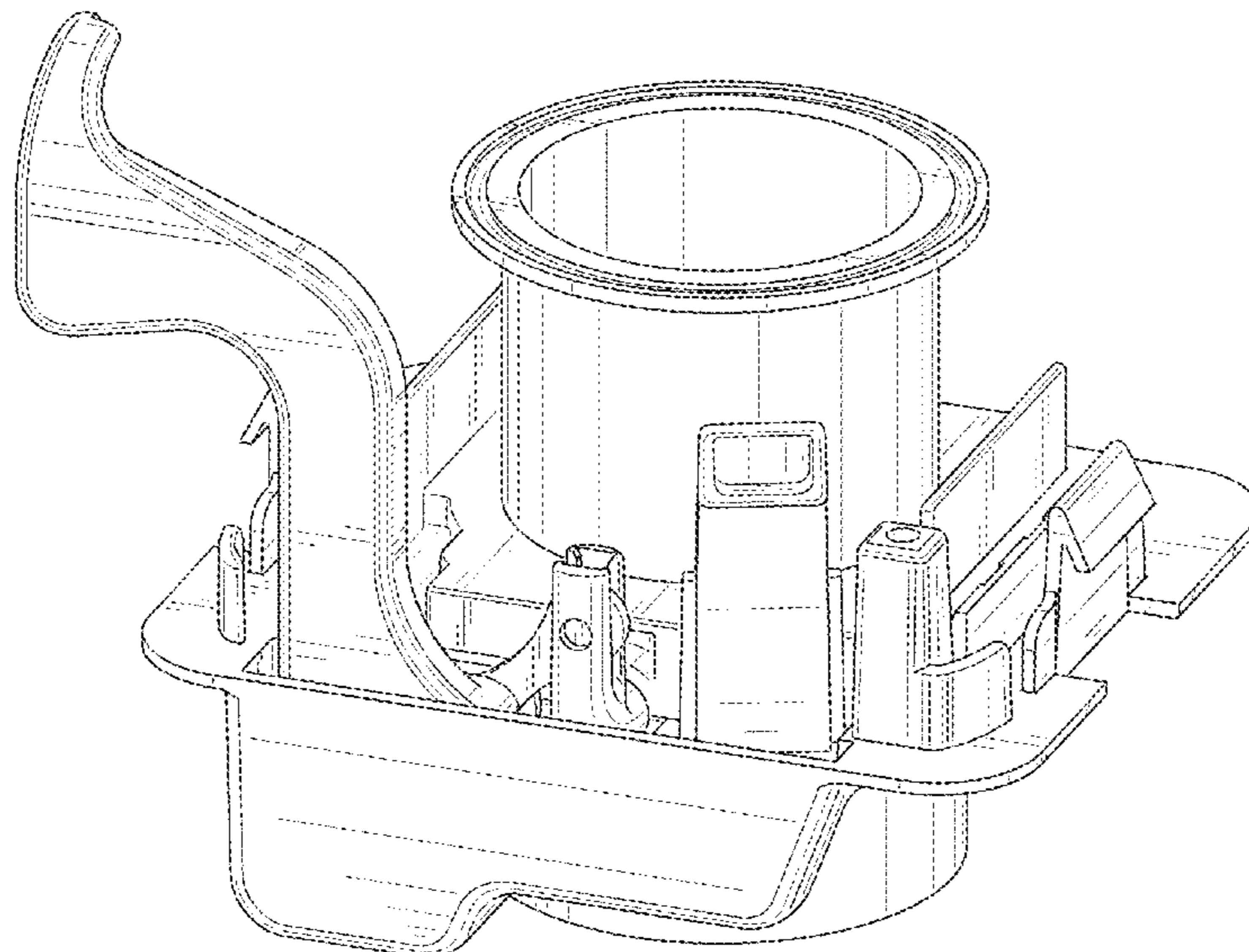
FIG. 1 is a top perspective view of a butterfly valve showing our new design, in a first state in which the valve body is fully open;
FIG. 2 is a another top perspective view thereof;
FIG. 3 is a bottom perspective view thereof;
FIG. 4 is another perspective view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a rear elevational view thereof;
FIG. 8 is a front elevational view thereof;
FIG. 9 is a top plan view thereof;
FIG. 10 is a bottom plan view thereof;
FIG. 11 is a top perspective view of the butterfly valve of FIG. 1, in a second state in which the valve body is closed;
FIG. 12 is a bottom perspective view thereof;
FIG. 13 is a left side elevational view thereof;
FIG. 14 is a right side elevational view thereof;
FIG. 15 is a rear elevational view thereof;
FIG. 16 is a front elevational view thereof;
FIG. 17 is a top plan view thereof; and,
FIG. 18 is a bottom plan view thereof.

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1 Claim, 18 Drawing Sheets



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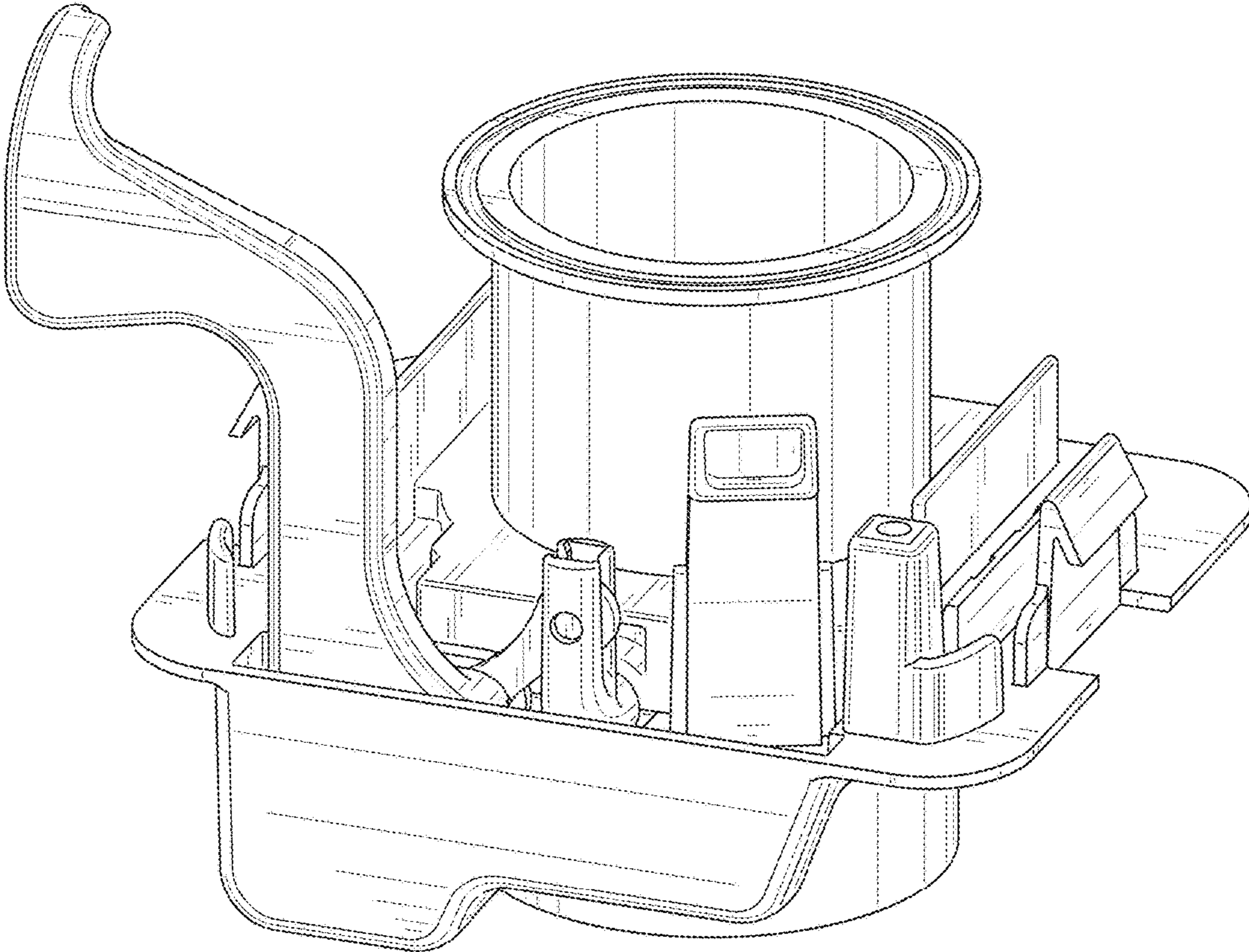


FIG. 1

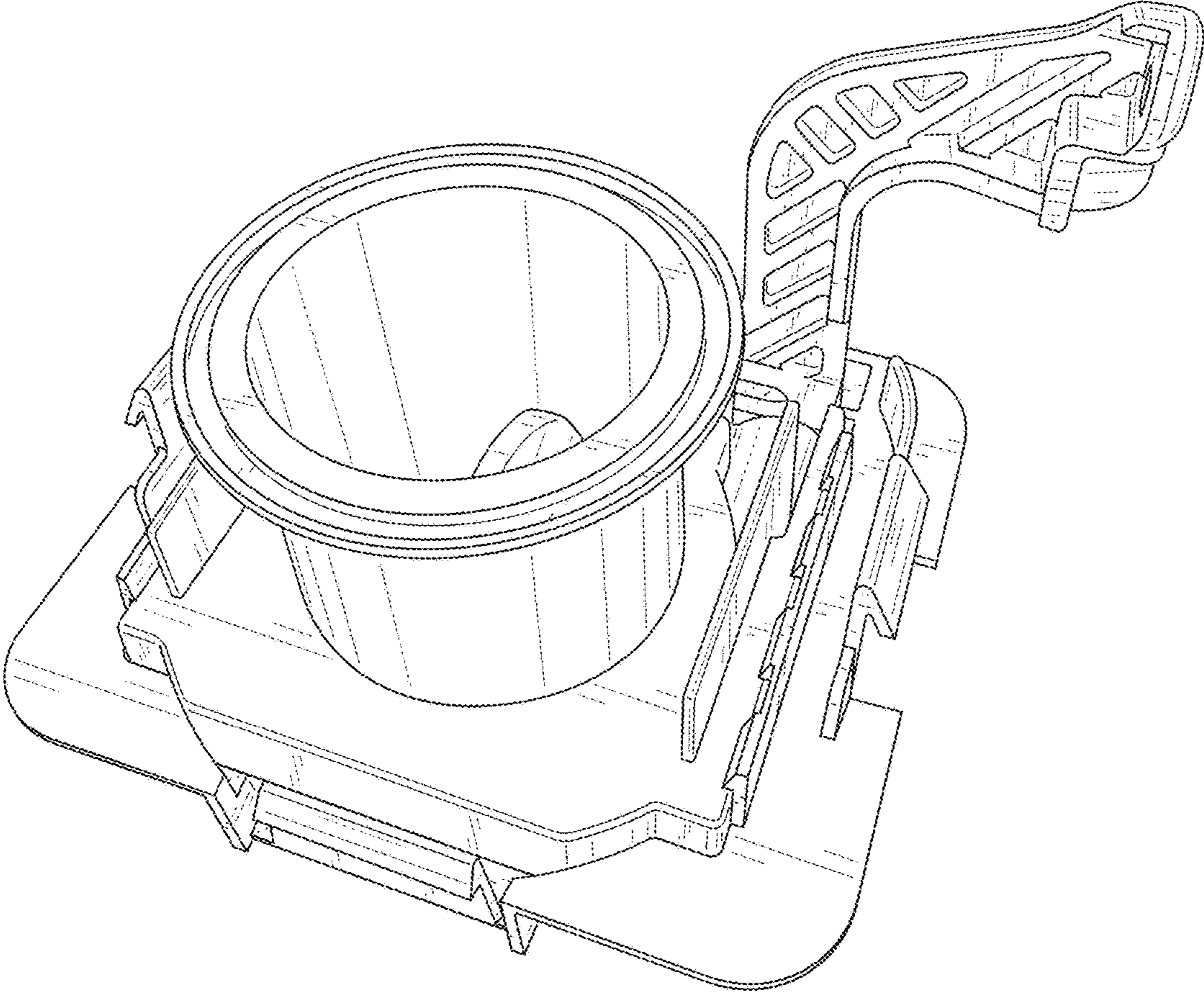


FIG. 2

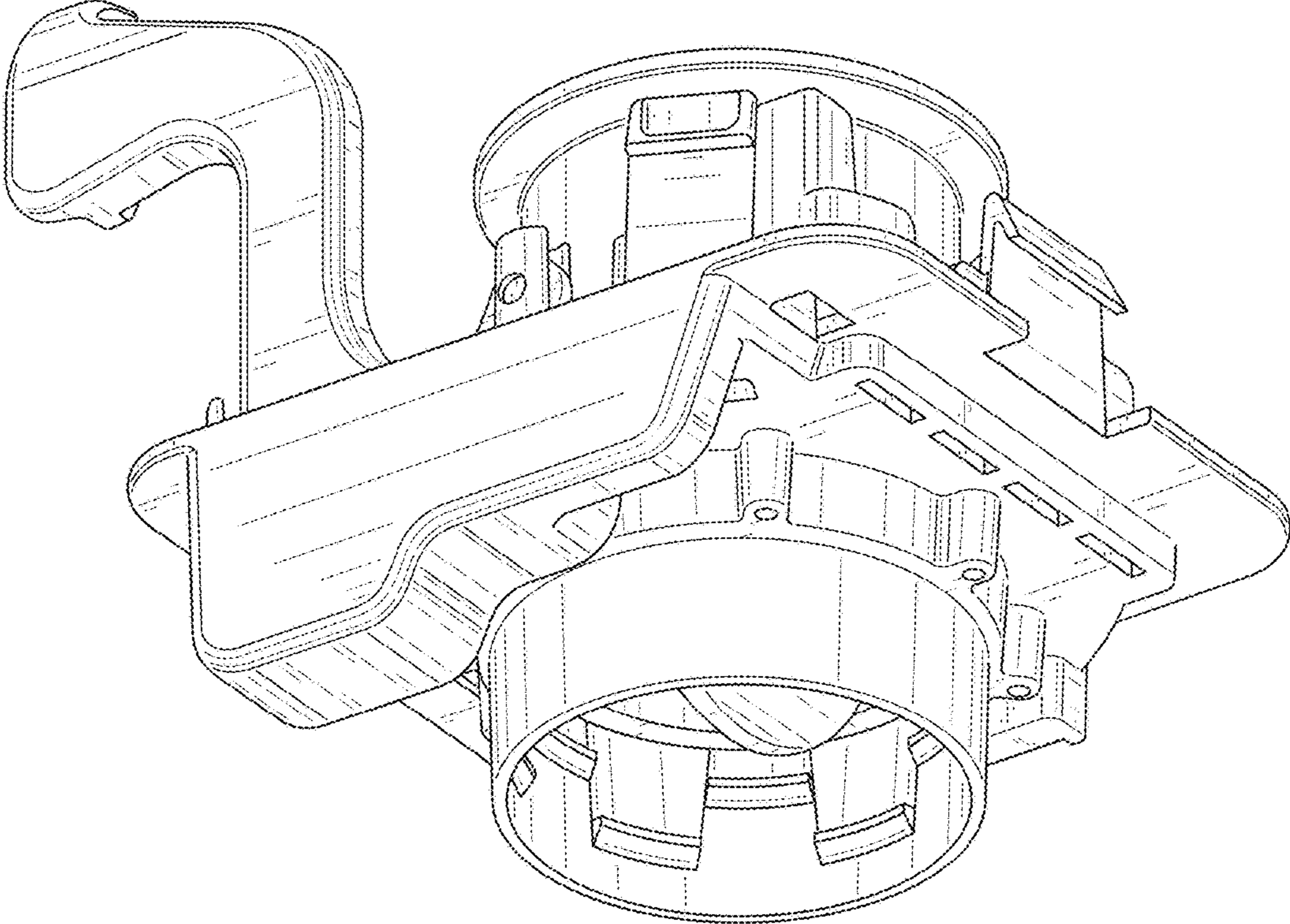


FIG. 3

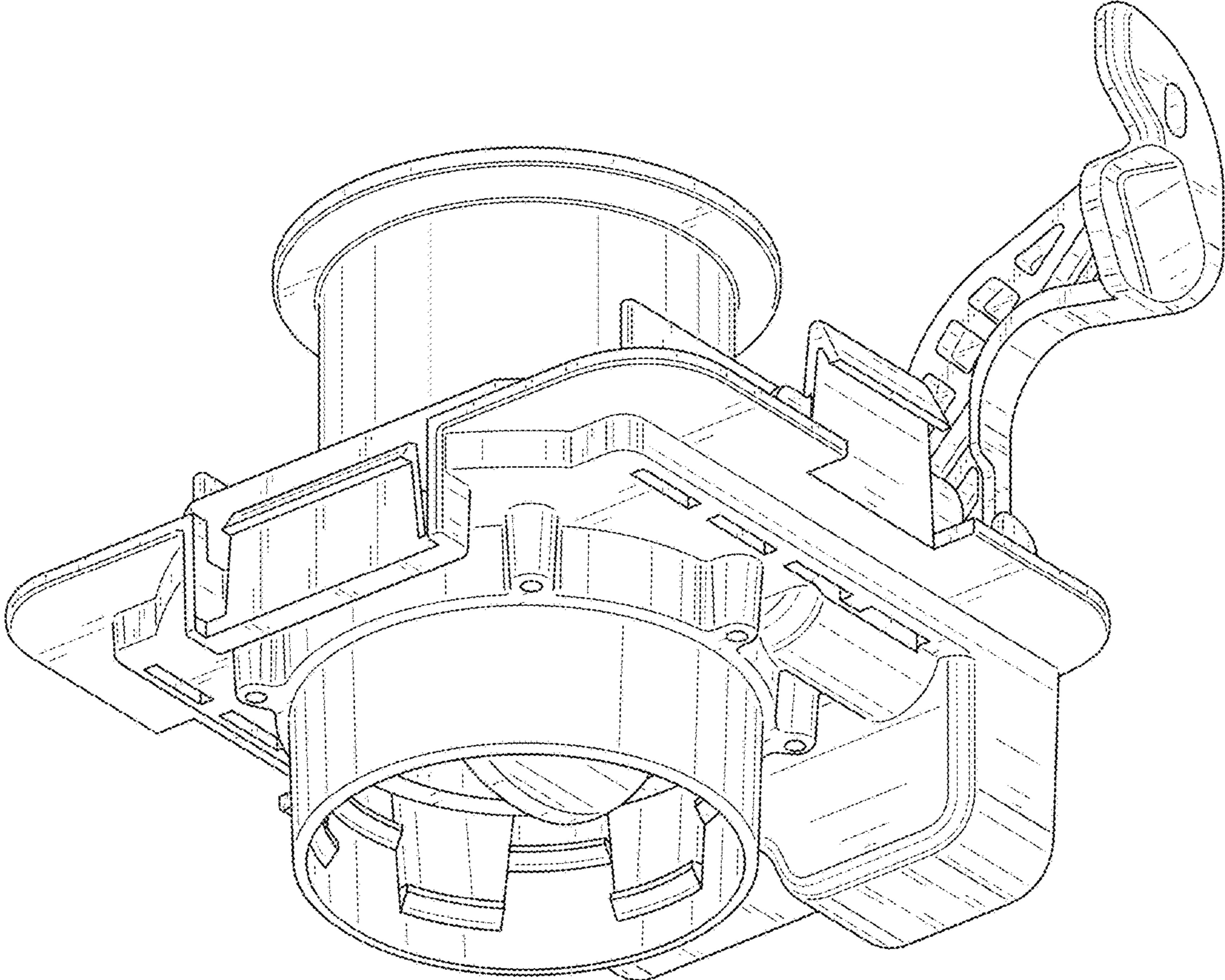


FIG. 4

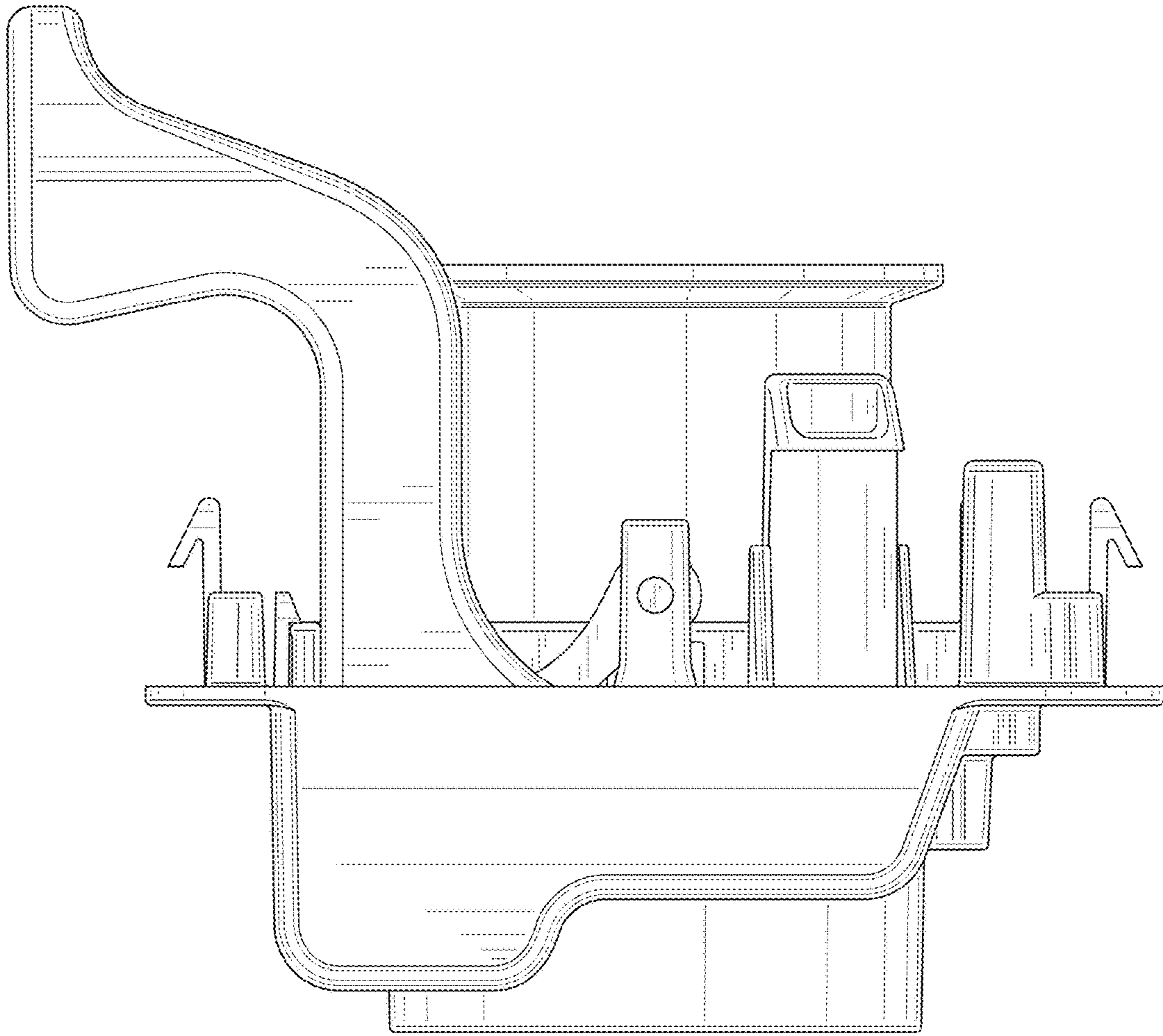


FIG. 5

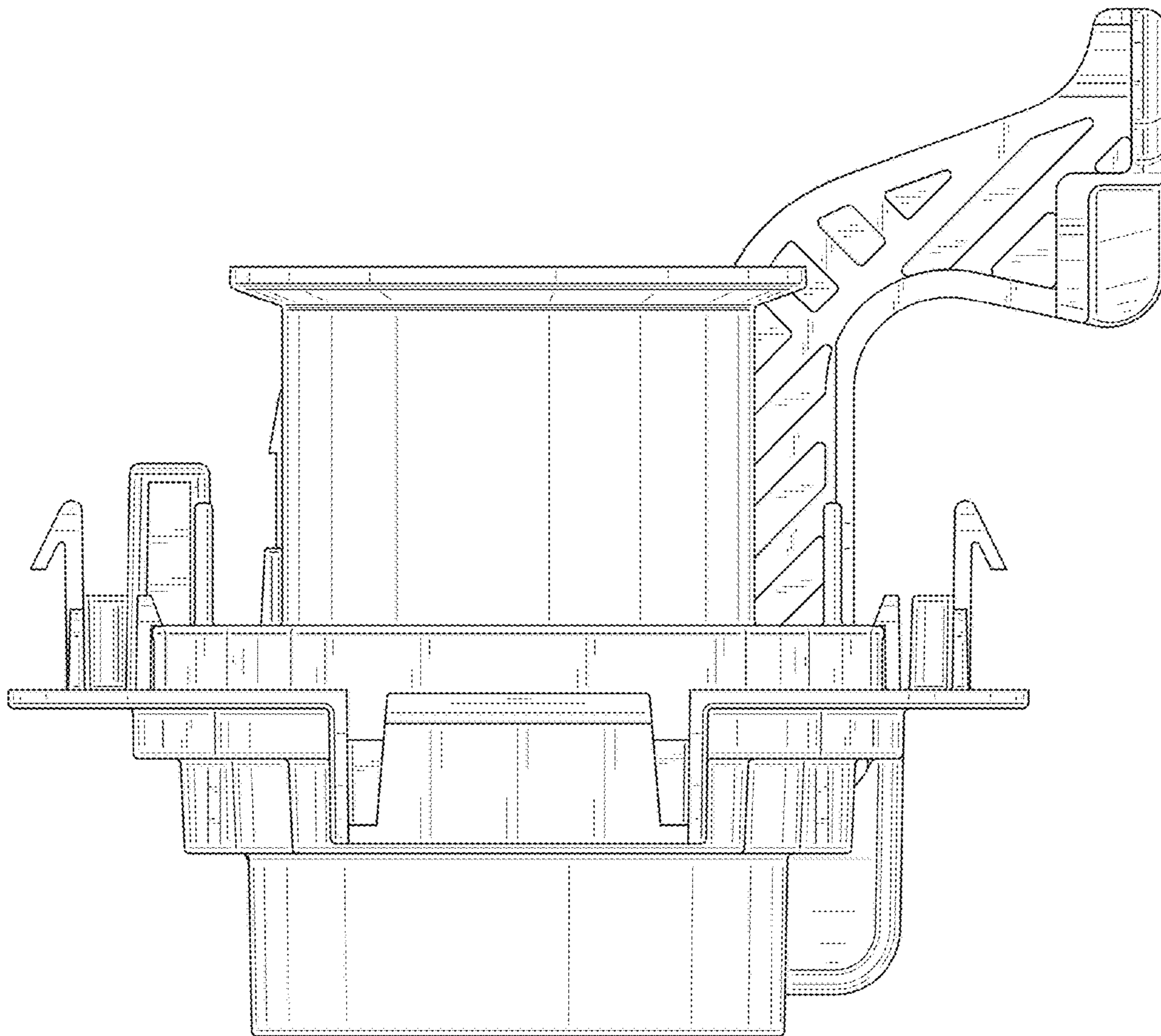


FIG. 6

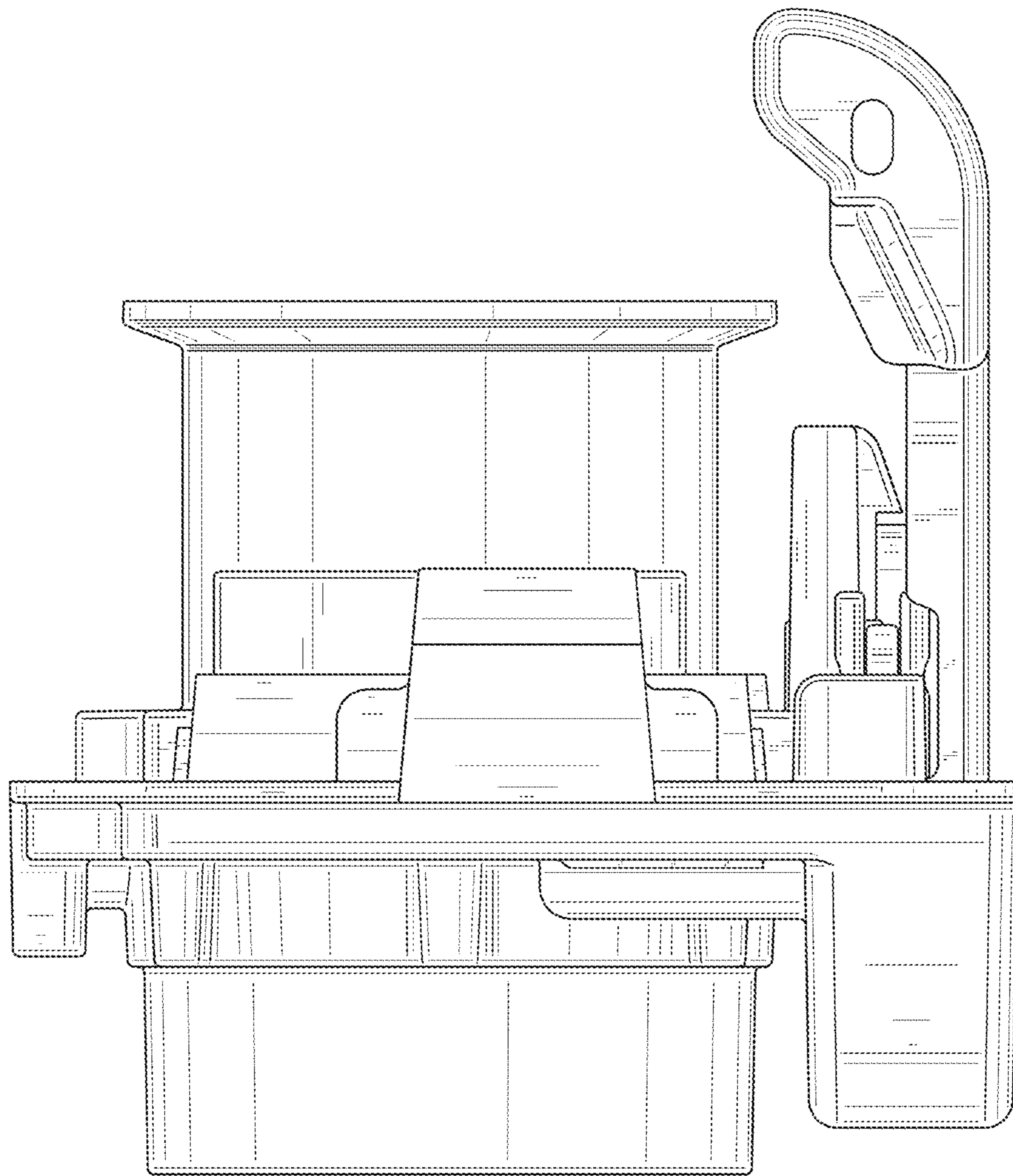


FIG. 7

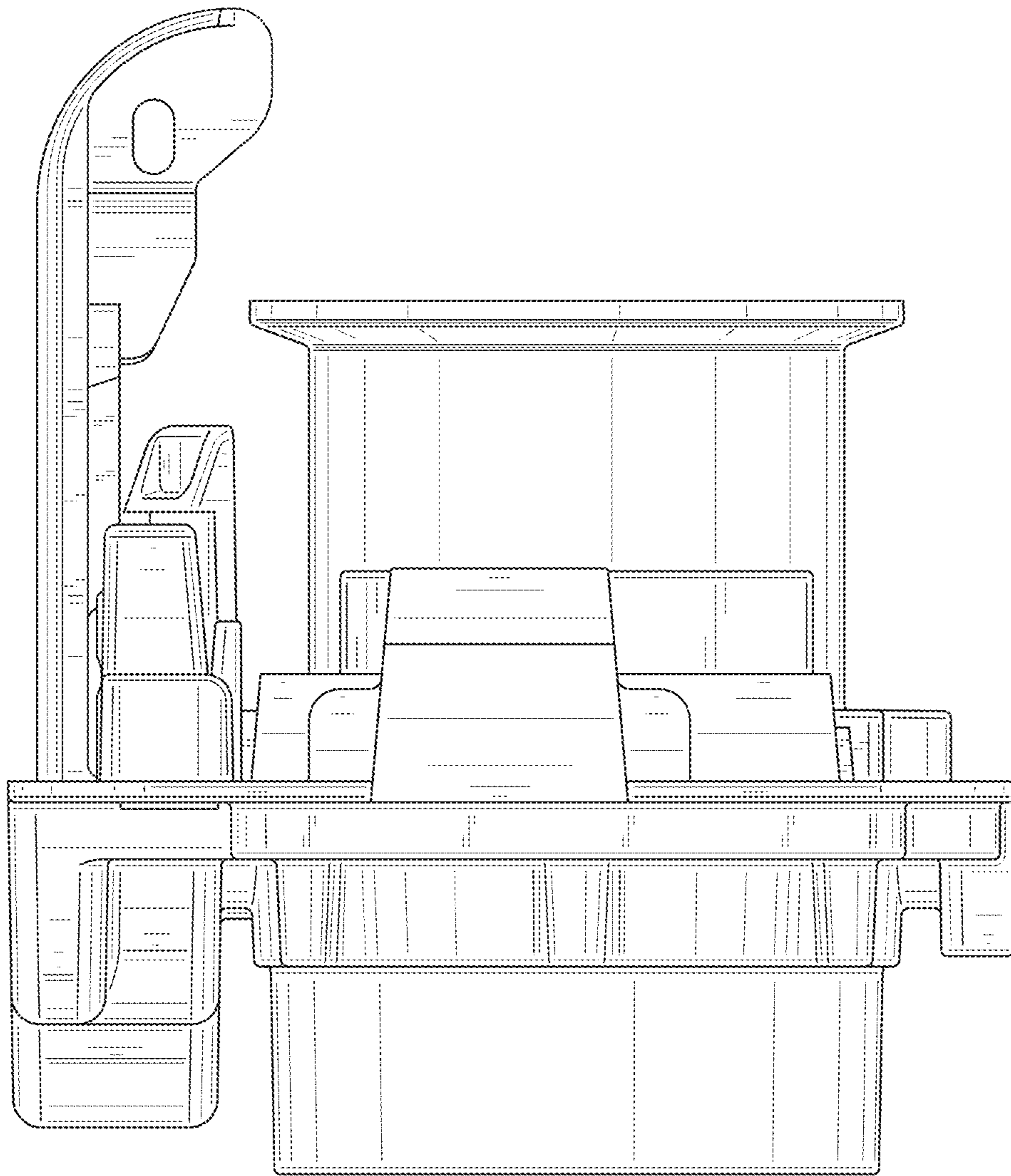


FIG. 8

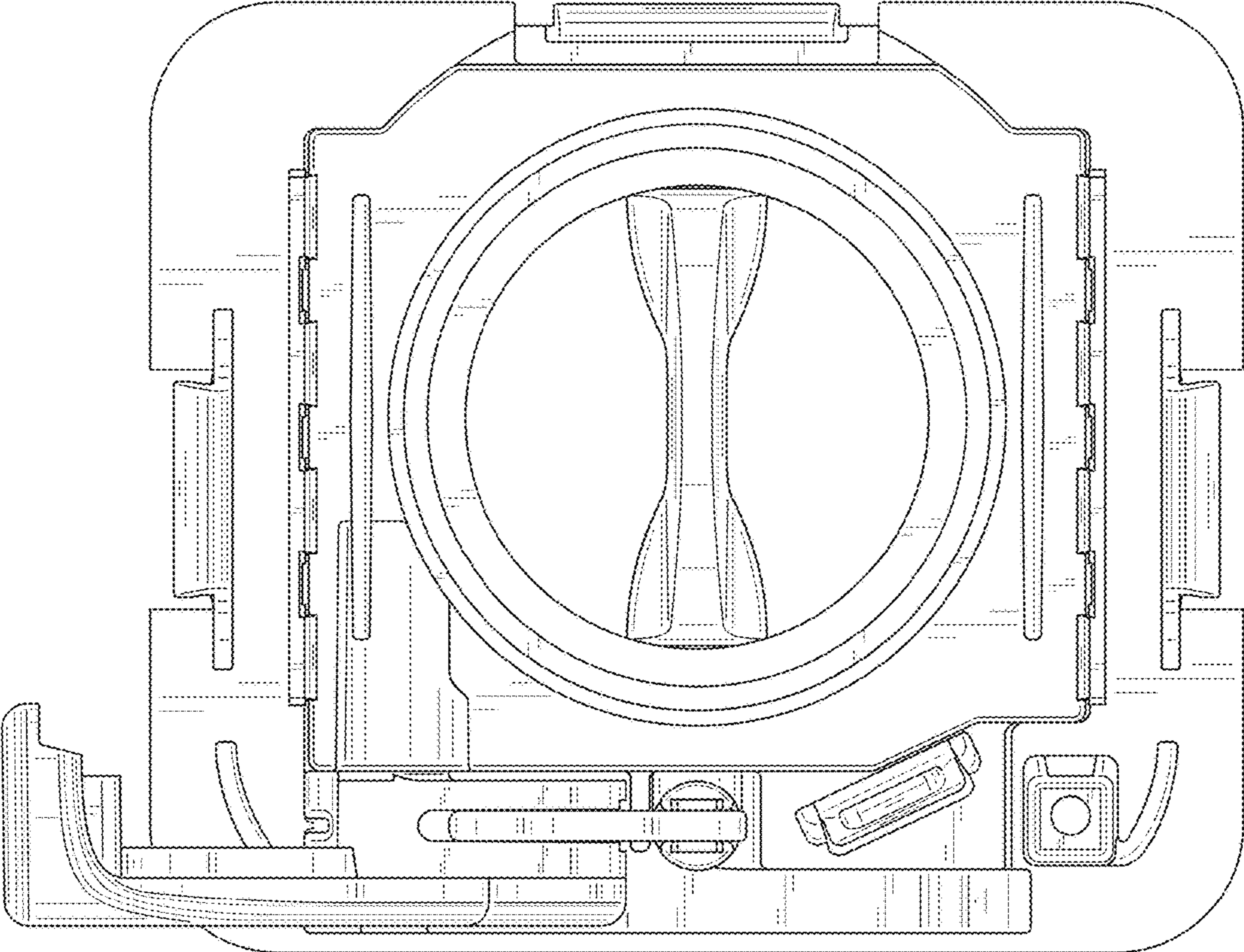


FIG. 9

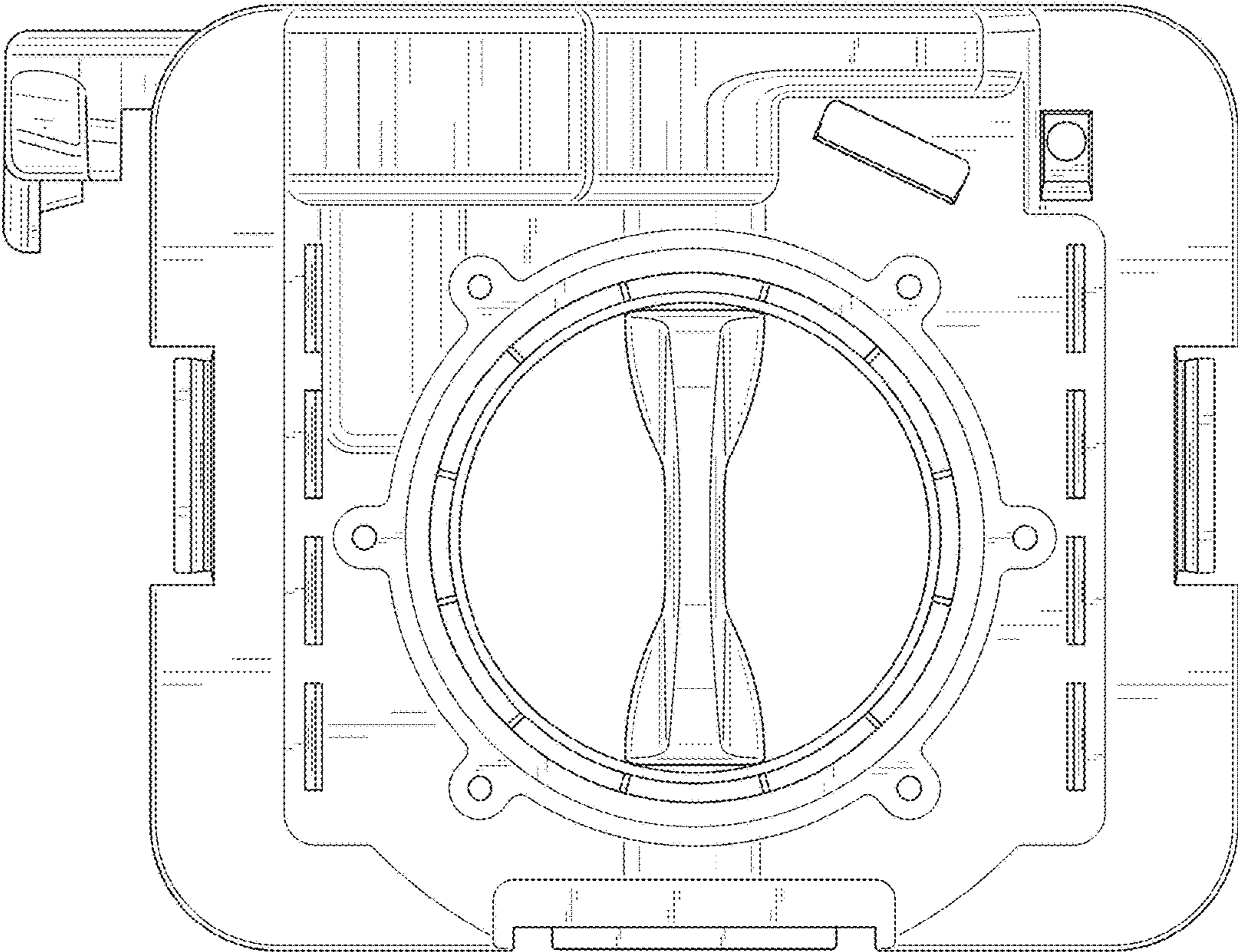


FIG. 10

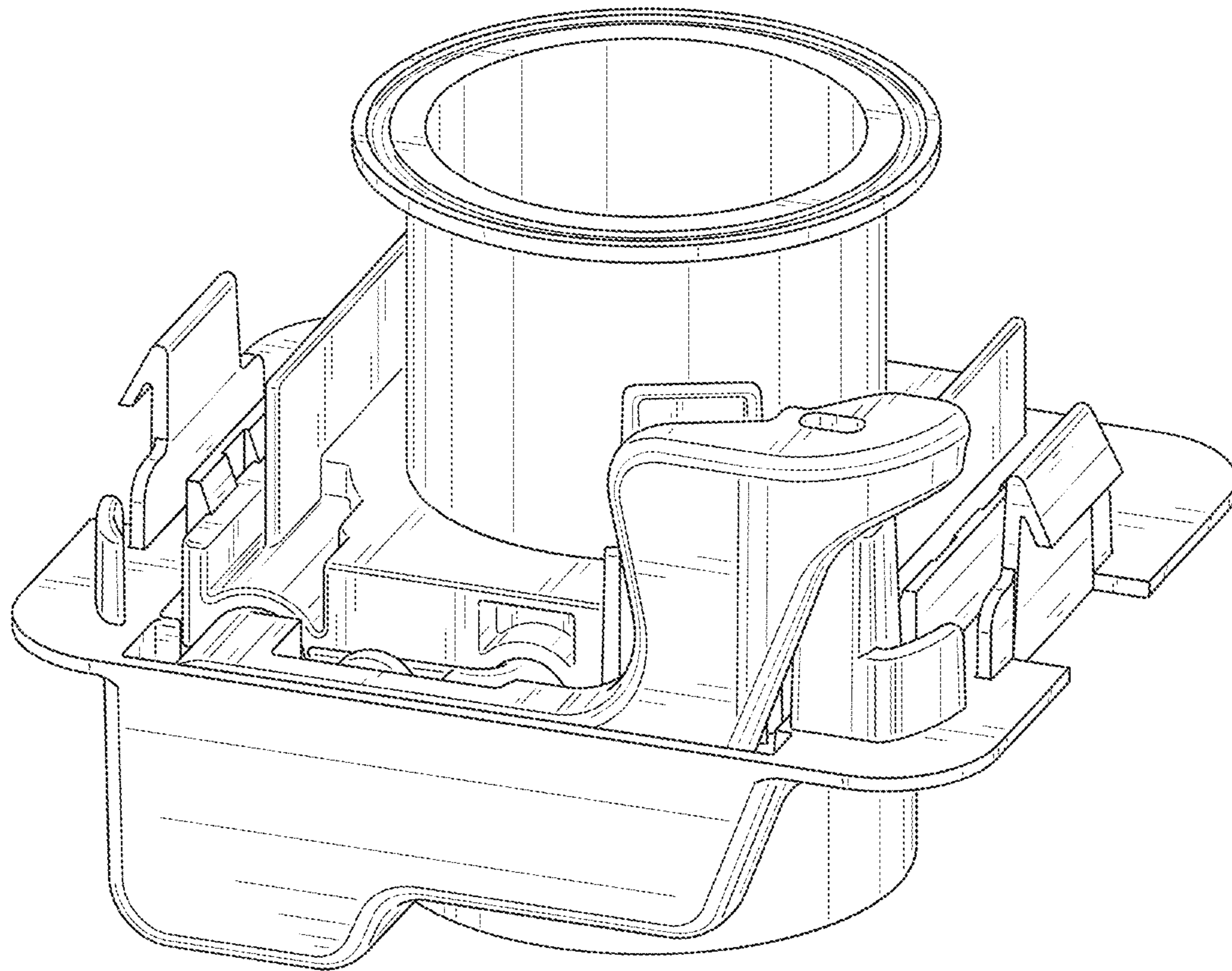


FIG. 11

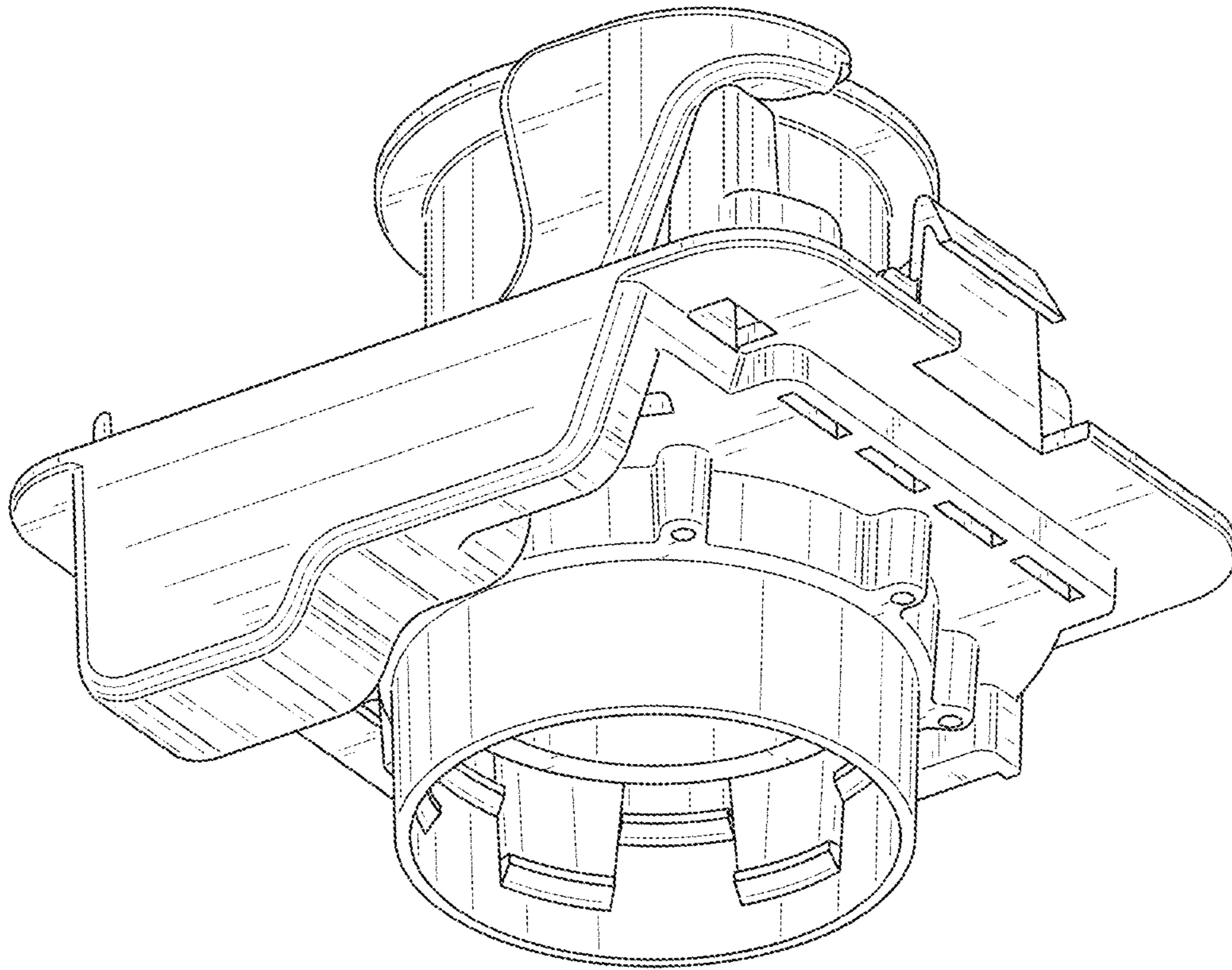


FIG. 12

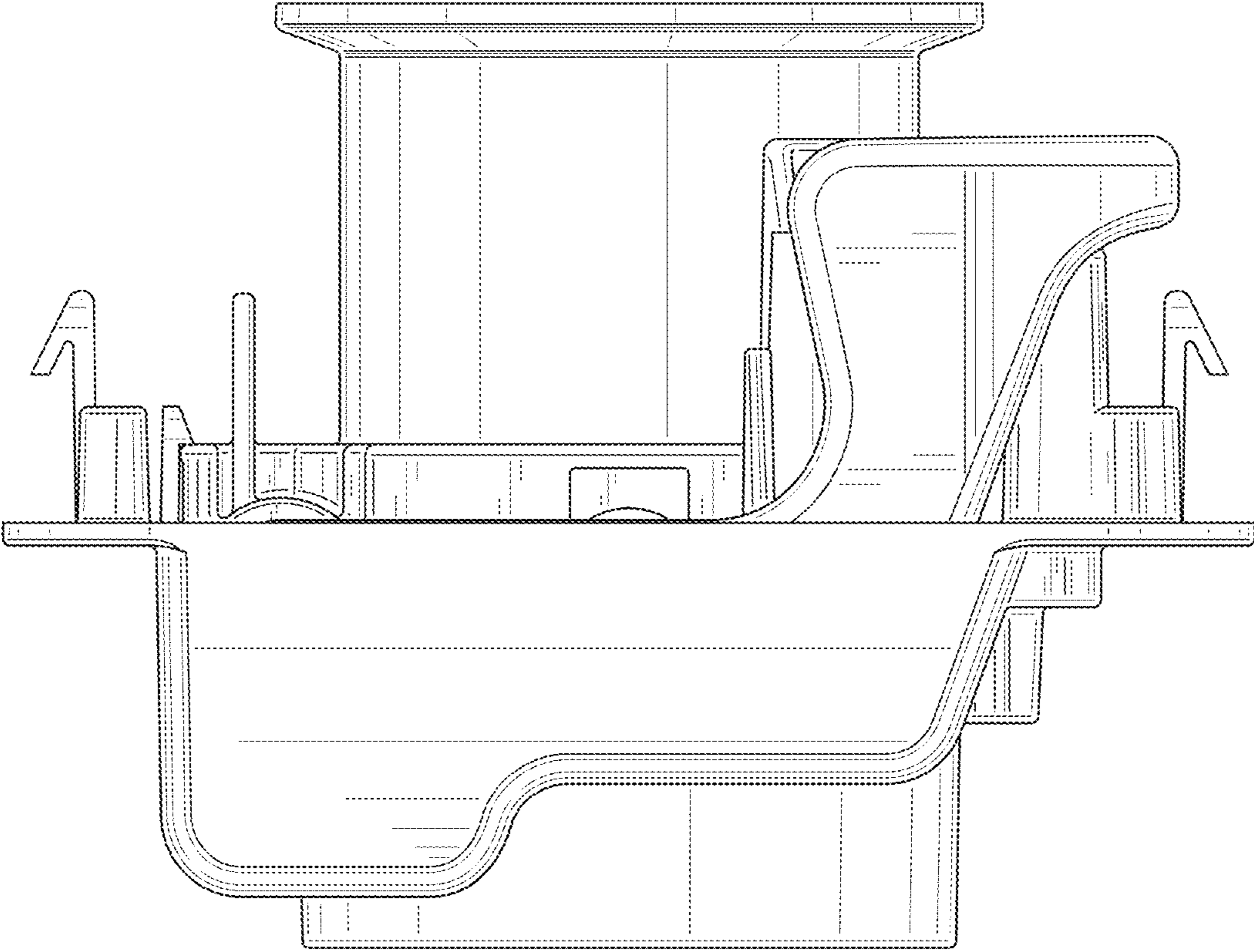


FIG. 13

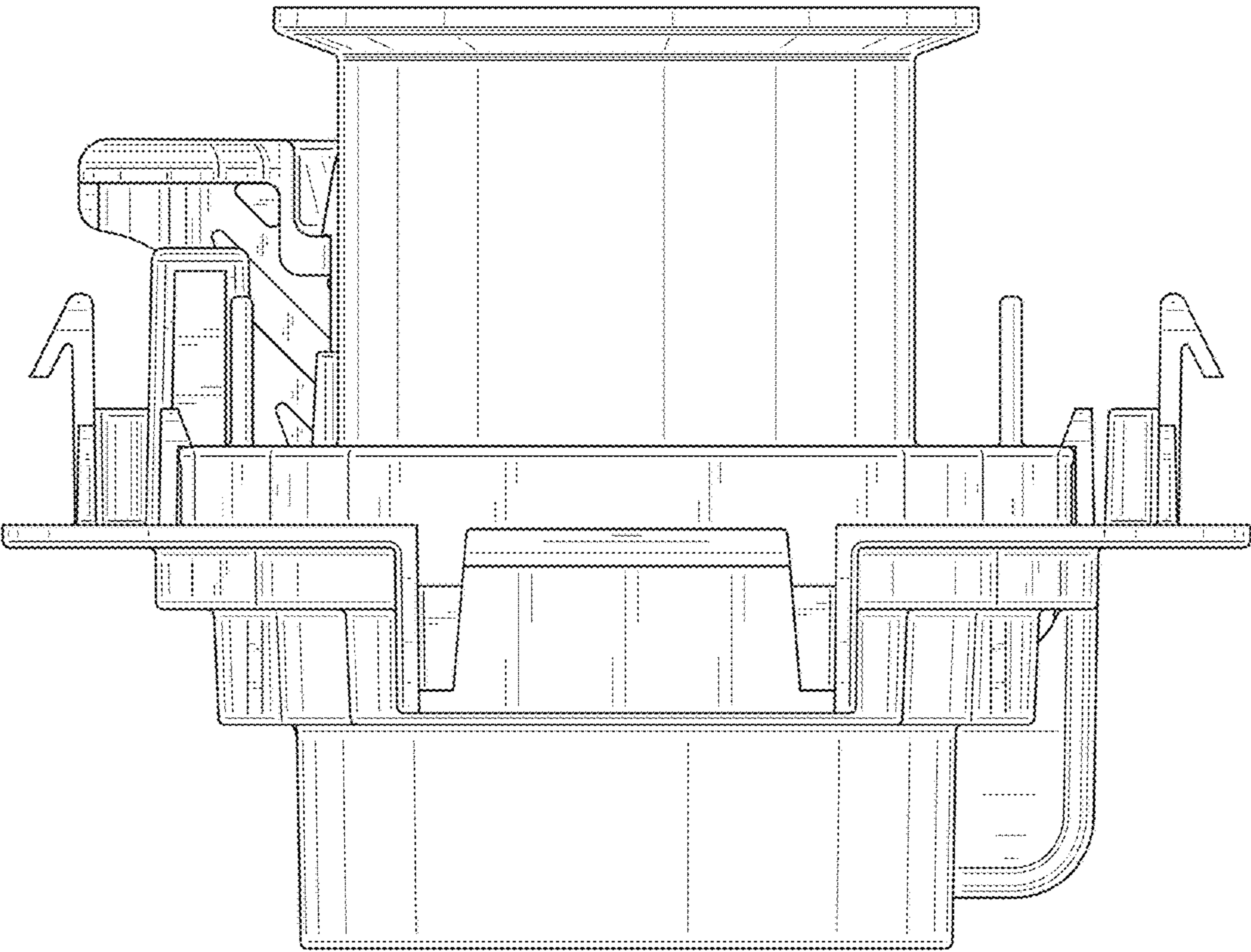


FIG. 14

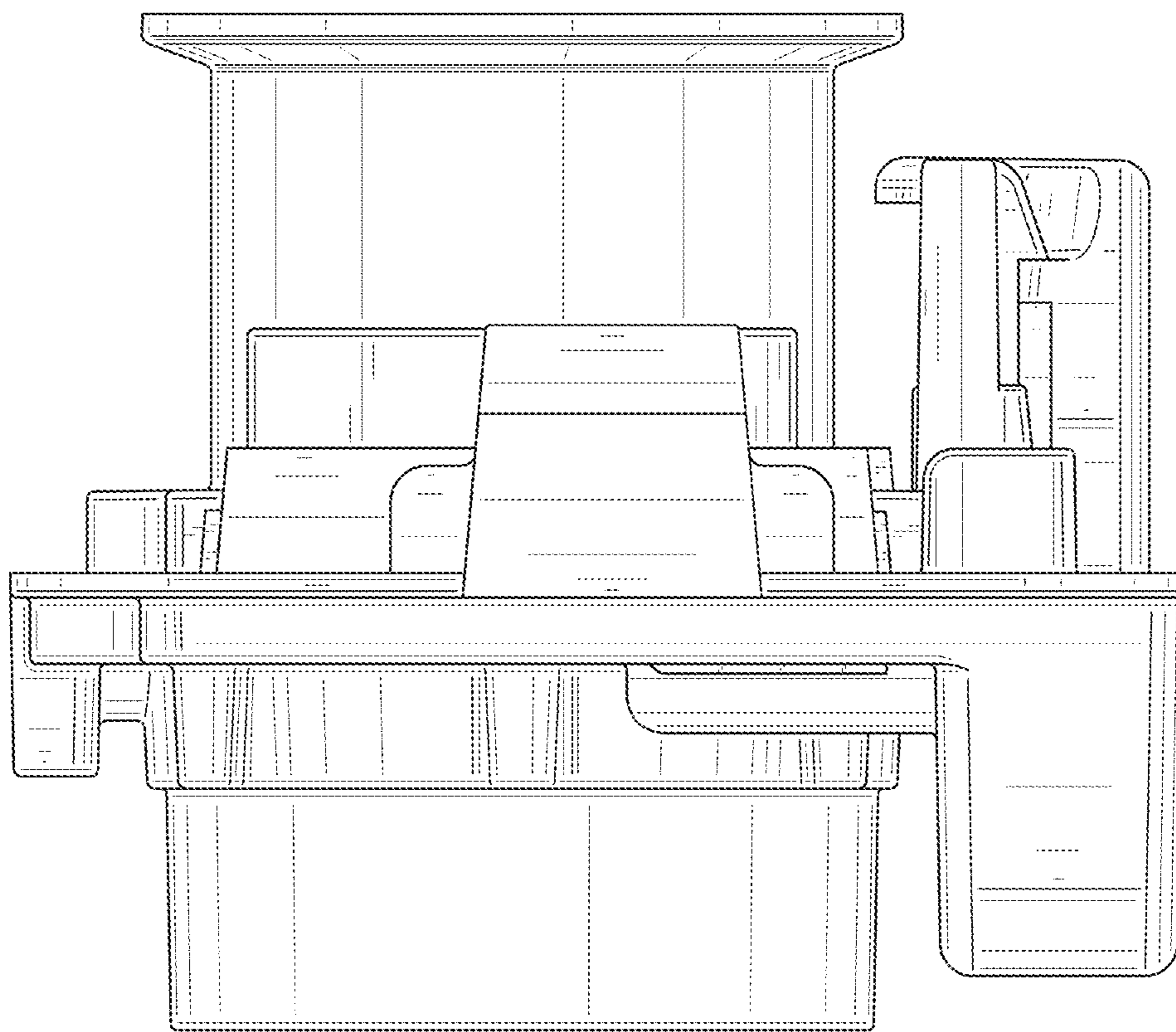


FIG. 15

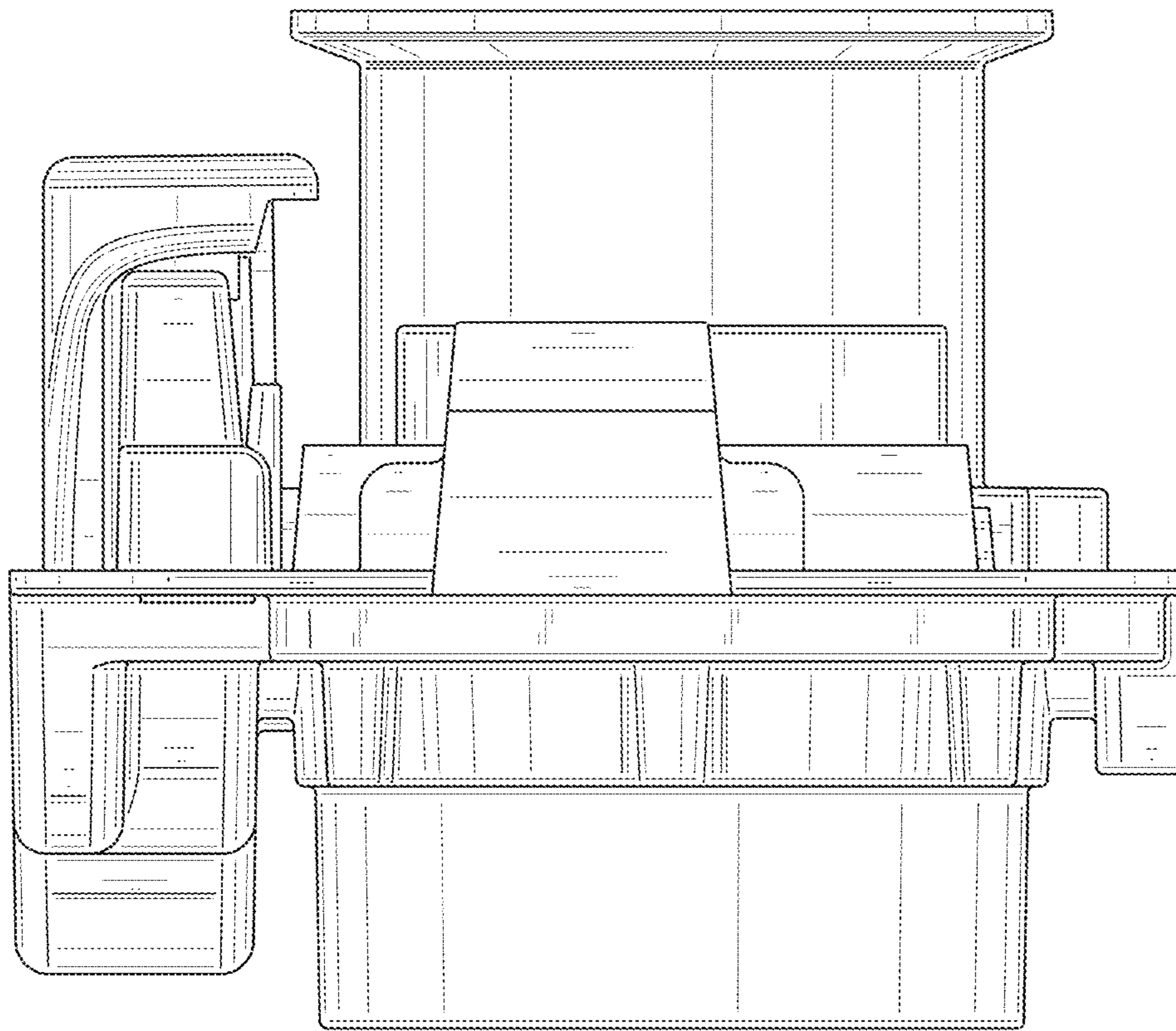


FIG. 16

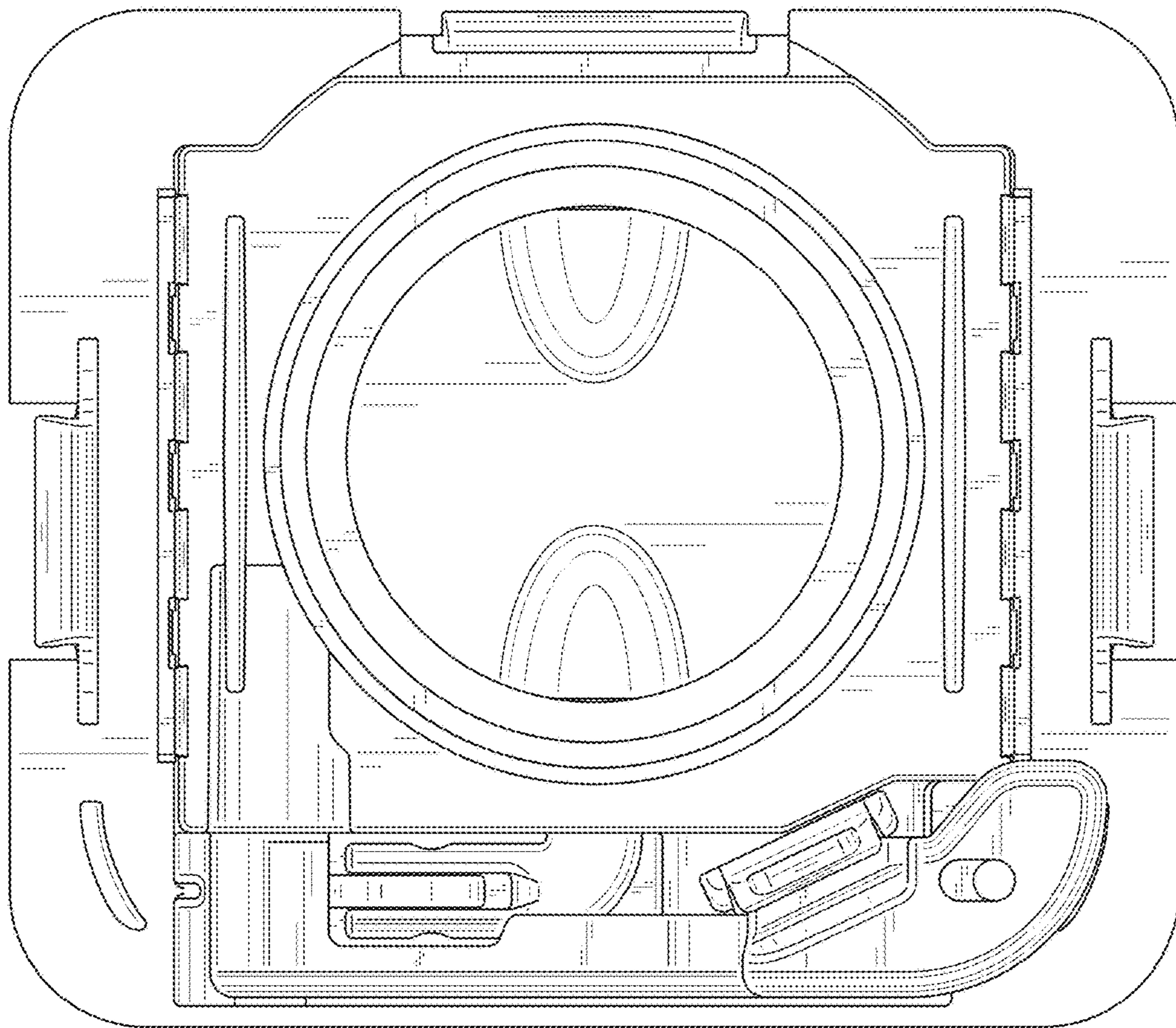


FIG. 17

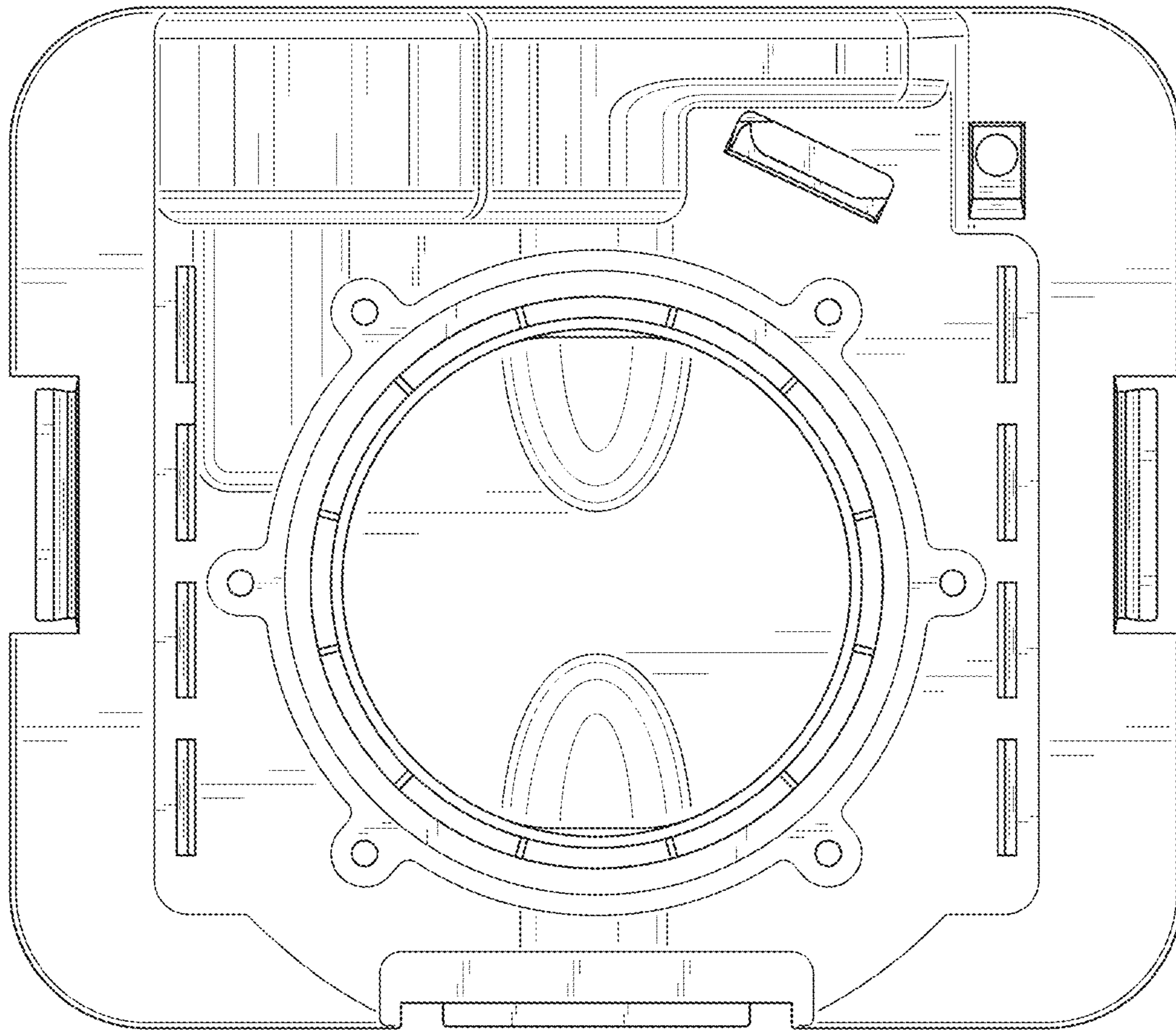


FIG. 18