US00D907577S

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

(10) **Patent No.: US D907,577 S**
(45) **Date of Patent: ** Jan. 12, 2021**

(54) **CONNECTOR ASSEMBLY**

(71) Applicant: **Molex, LLC**, Lisle, IL (US)

(72) Inventors: **Ishwarappa Ganamukhi**, Bangalore (IN); **Pierre Perez**, Aurora, IL (US)

(73) Assignee: **Molex, LLC**, Lisle, IL (US)

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

(21) Appl. No.: **29/685,546**

(22) Filed: **Mar. 28, 2019**

(51) **LOC (13) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/133**; D13/147

(58) **Field of Classification Search**
USPC D13/133, 146, 147, 153, 154, 184
(Continued)

(56) **References Cited**

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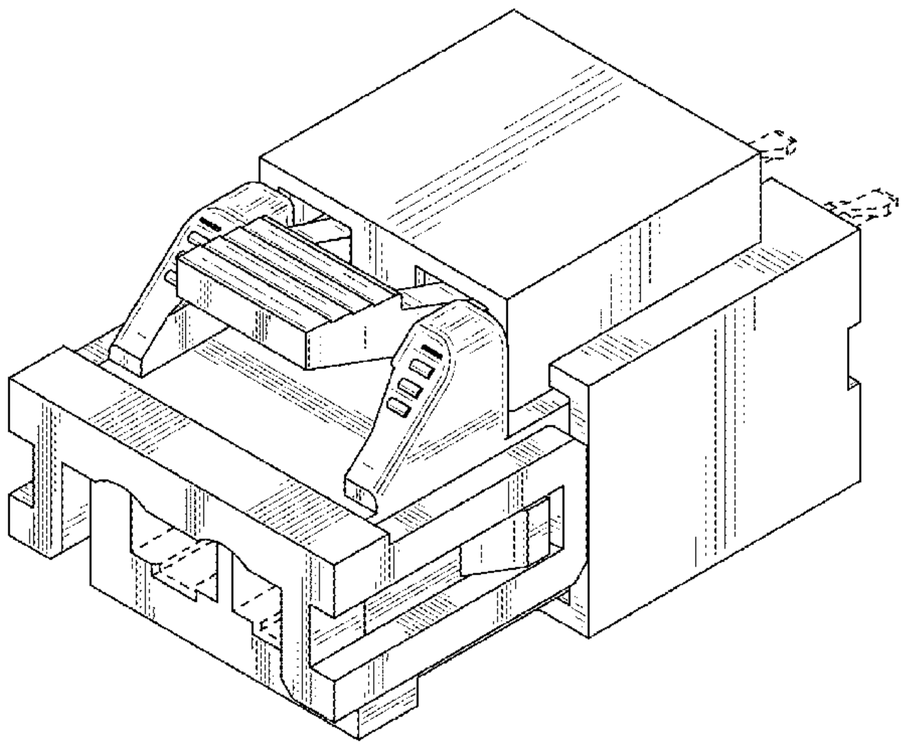
Primary Examiner — Karen E Kearney
Assistant Examiner — Michael Chong
(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(57) **CLAIM**

The ornamental design for a connector assembly, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a connector assembly showing our new design;
FIG. **2** is a rear perspective view thereof;
FIG. **3** is a front view thereof;
FIG. **4** is a rear view thereof;
FIG. **5** is a left side view thereof;
FIG. **6** is a right side view thereof;
FIG. **7** is a top view thereof;
FIG. **8** is a bottom view thereof;
FIG. **9** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **1-8**;
FIG. **10** is a rear perspective view thereof;
FIG. **11** is a front view thereof;
FIG. **12** is a rear view thereof;
FIG. **13** is a left side view thereof;
FIG. **14** is a right side view thereof;
FIG. **15** is a top view thereof;
FIG. **16** is a bottom view thereof;
FIG. **17** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **18** is a rear perspective view thereof;
FIG. **19** is a front view thereof;
FIG. **20** is a rear view thereof;
FIG. **21** is a left side view thereof;
FIG. **22** is a right side view thereof;
FIG. **23** is a top view thereof;
FIG. **24** is a bottom view thereof;
FIG. **25** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **17-24**;
FIG. **26** is a rear perspective view thereof;
FIG. **27** is a front view thereof;
FIG. **28** is a rear view thereof;
FIG. **29** is a left side view thereof;
FIG. **30** is a right side view thereof;
FIG. **31** is a top view thereof;
FIG. **32** is a bottom view thereof;
(Continued)



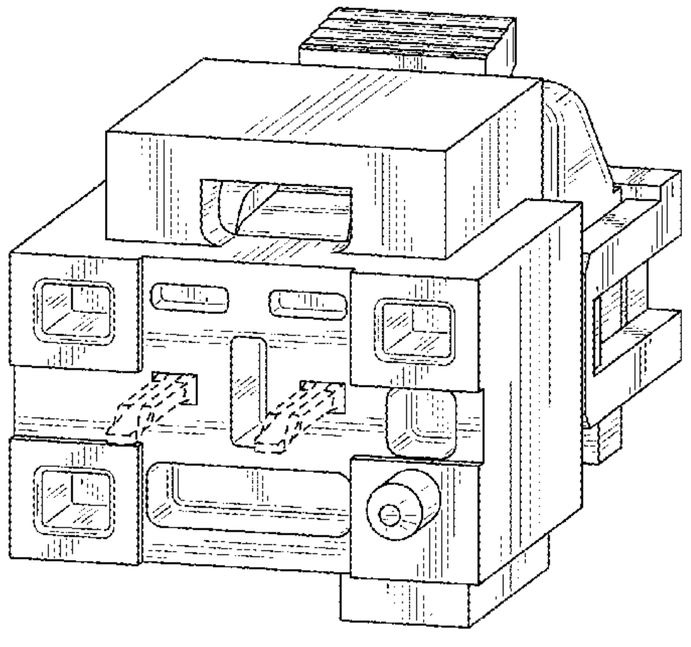


FIG. **33** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **34** is a rear perspective view thereof;
FIG. **35** is a front view thereof;
FIG. **36** is a rear view thereof;
FIG. **37** is a left side view thereof;
FIG. **38** is a right side view thereof;
FIG. **39** is a top view thereof;
FIG. **40** is a bottom view thereof;
FIG. **41** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **33-40**;
FIG. **42** is a rear perspective view thereof;
FIG. **43** is a front view thereof;
FIG. **44** is a rear view thereof;
FIG. **45** is a left side view thereof;
FIG. **46** is a right side view thereof;
FIG. **47** is a top view thereof;
FIG. **48** is a bottom view thereof;
FIG. **49** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **50** is a rear perspective view thereof;
FIG. **51** is a front view thereof;
FIG. **52** is a rear view thereof;
FIG. **53** is a left side view thereof;
FIG. **54** is a right side view thereof;
FIG. **55** is a top view thereof;
FIG. **56** is a bottom view thereof;
FIG. **57** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **49-56**;
FIG. **58** is a rear perspective view thereof;
FIG. **59** is a front view thereof;
FIG. **60** is a rear view thereof;
FIG. **61** is a left side view thereof;
FIG. **62** is a right side view thereof;
FIG. **63** is a top view thereof;
FIG. **64** is a bottom view thereof;
FIG. **65** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **66** is a rear perspective view thereof;
FIG. **67** is a front view thereof;
FIG. **68** is a rear view thereof;
FIG. **69** is a left side view thereof;
FIG. **70** is a right side view thereof;
FIG. **71** is a top view thereof;
FIG. **72** is a bottom view thereof;
FIG. **73** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **65-72**;
FIG. **74** is a rear perspective view thereof;
FIG. **75** is a front view thereof;
FIG. **76** is a rear view thereof;
FIG. **77** is a left side view thereof;
FIG. **78** is a right side view thereof;
FIG. **79** is a top view thereof;
FIG. **80** is a bottom view thereof;
FIG. **81** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **82** is a rear perspective view thereof;
FIG. **83** is a front view thereof;
FIG. **84** is a rear view thereof;
FIG. **85** is a left side view thereof;
FIG. **86** is a right side view thereof;
FIG. **87** is a top view thereof;
FIG. **88** is a bottom view thereof;
FIG. **89** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **81-88**;
FIG. **90** is a rear perspective view thereof;
FIG. **91** is a front view thereof;
FIG. **92** is a rear view thereof;
FIG. **93** is a left side view thereof;
FIG. **94** is a right side view thereof;
FIG. **95** is a top view thereof;
FIG. **96** is a bottom view thereof;
FIG. **97** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **98** is a rear perspective view thereof;
FIG. **99** is a front view thereof;
FIG. **100** is a rear view thereof;
FIG. **101** is a left side view thereof;
FIG. **102** is a right side view thereof;
FIG. **103** is a top view thereof;
FIG. **104** is a bottom view thereof;
FIG. **105** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **97-104**;
FIG. **106** is a rear perspective view thereof;
FIG. **107** is a front view thereof;
FIG. **108** is a rear view thereof;
FIG. **109** is a left side view thereof;
FIG. **110** is a right side view thereof;
FIG. **111** is a top view thereof;
FIG. **112** is a bottom view thereof;
FIG. **113** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **114** is a rear perspective view thereof;
FIG. **115** is a front view thereof;
FIG. **116** is a rear view thereof;
FIG. **117** is a left side view thereof;
FIG. **118** is a right side view thereof;
FIG. **119** is a top view thereof;
FIG. **120** is a bottom view thereof;
FIG. **121** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **113-120**;
FIG. **122** is a rear perspective view thereof;
FIG. **123** is a front view thereof;
FIG. **124** is a rear view thereof;
FIG. **125** is a left side view thereof;
FIG. **126** is a right side view thereof;
FIG. **127** is a top view thereof;
FIG. **128** is a bottom view thereof;
FIG. **129** is a front perspective view of an alternate embodiment of the connector assembly showing our new design;
FIG. **130** is a rear perspective view thereof;
FIG. **131** is a front view thereof;
FIG. **132** is a rear view thereof;
FIG. **133** is a left side view thereof;
FIG. **134** is a right side view thereof;
FIG. **135** is a top view thereof;
FIG. **136** is a bottom view thereof;

FIG. **137** is a front perspective view of an alternate embodiment of the connector assembly showing our new design which is a mirror image of the connector assembly of FIGS. **129-136**;
FIG. **138** is a rear perspective view thereof;
FIG. **139** is a front view thereof;
FIG. **140** is a rear view thereof;
FIG. **141** is a left side view thereof;
FIG. **142** is a right side view thereof;
FIG. **143** is a top view thereof; and,
FIG. **144** is a bottom view thereof.
The broken lines depicting the remainder of the connector assembly show features that form no part of the claimed design.

1 Claim, 96 Drawing Sheets

(58) **Field of Classification Search**
CPC H01R 13/02; H01R 13/436; H01R 13/502; H01R 13/504; H01R 13/506; H01R 13/64; H01R 13/4362
See application file for complete search history.

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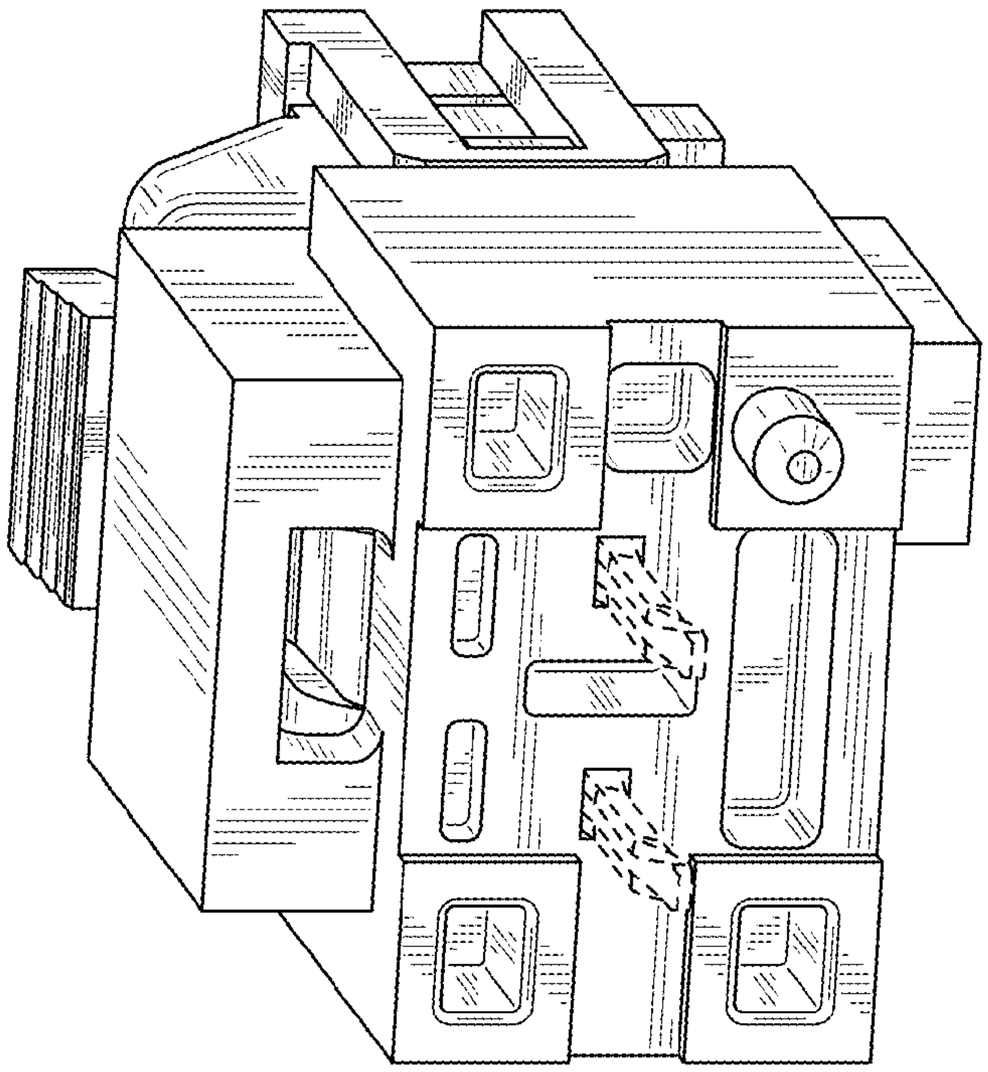


FIG. 2

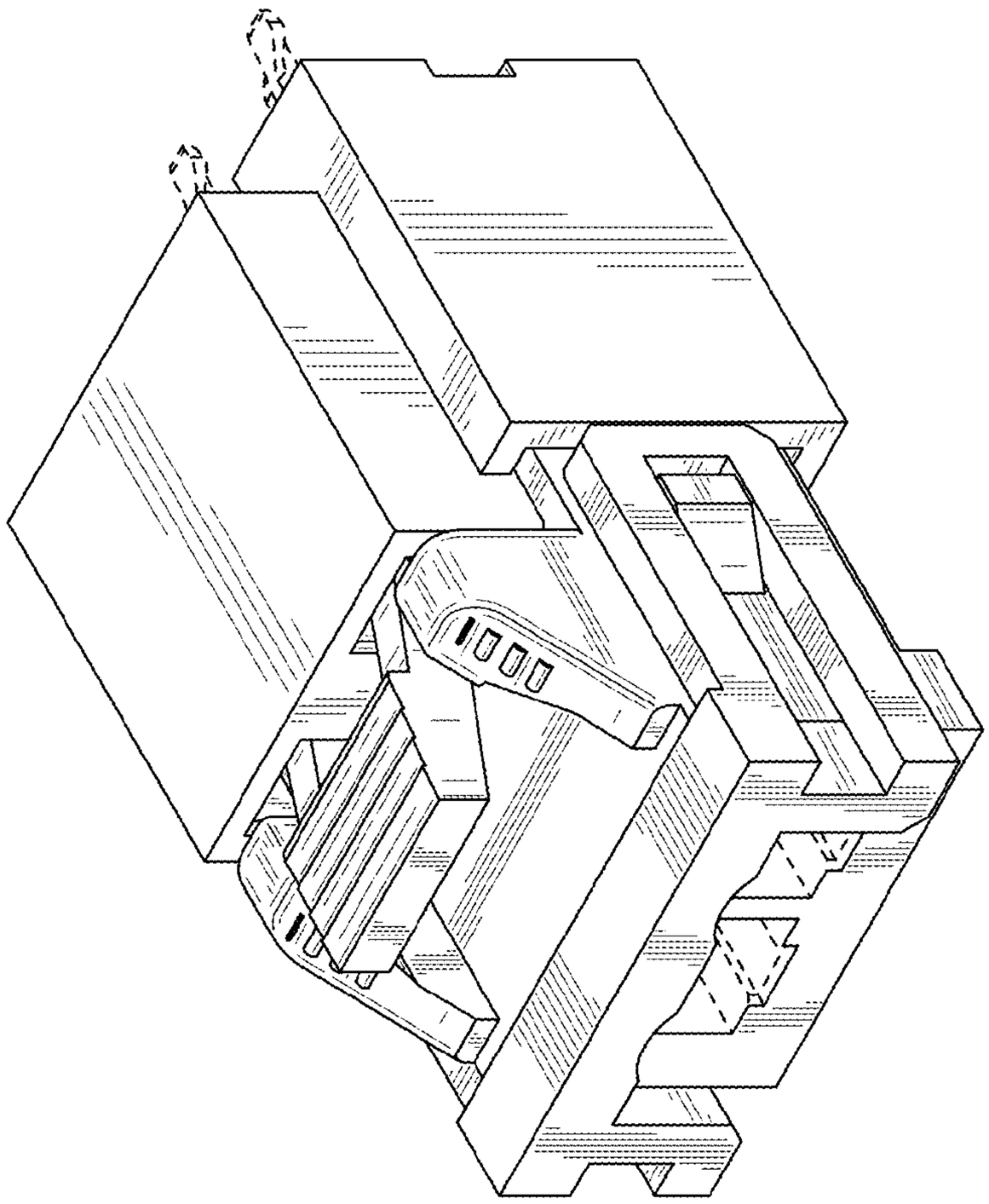


FIG. 1

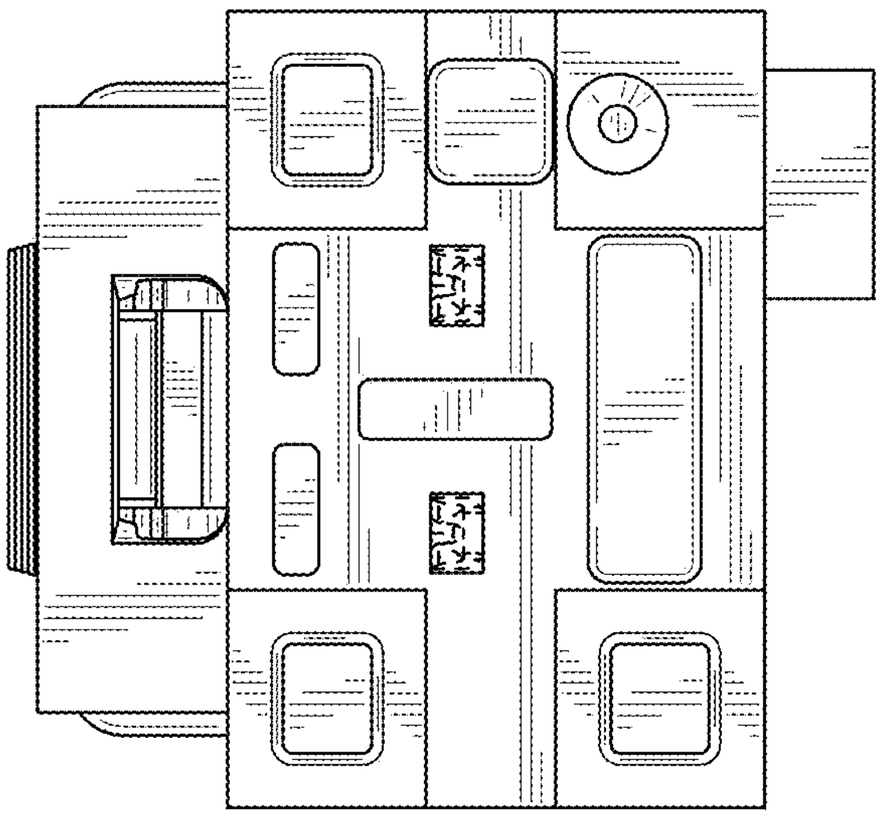


FIG. 4

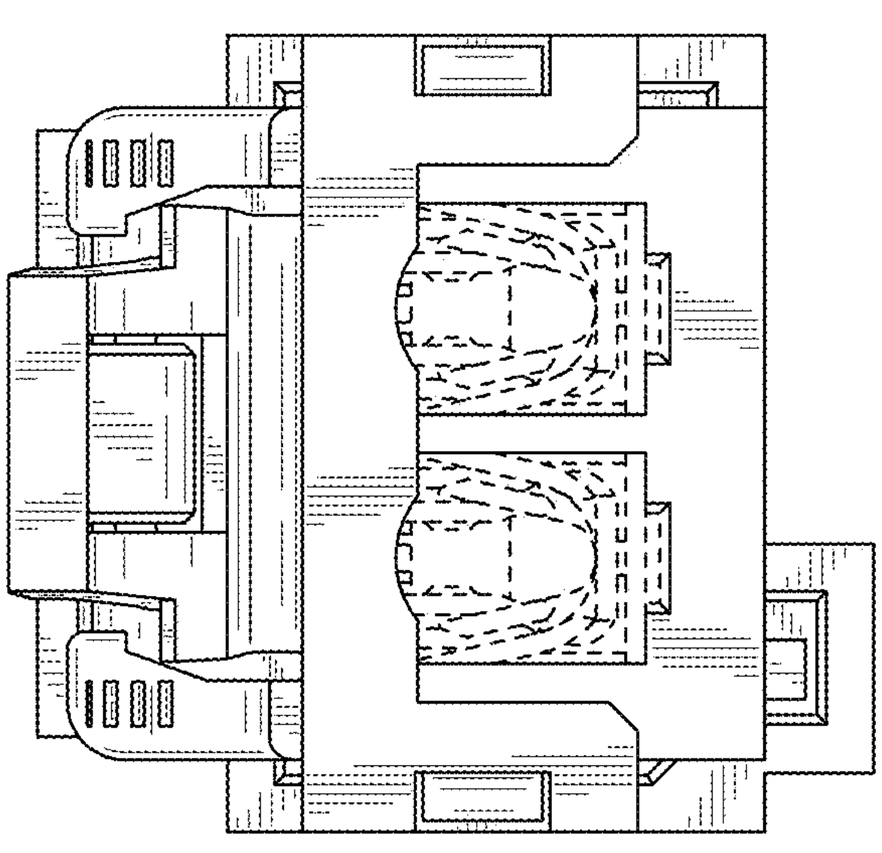


FIG. 3

FIG. 5

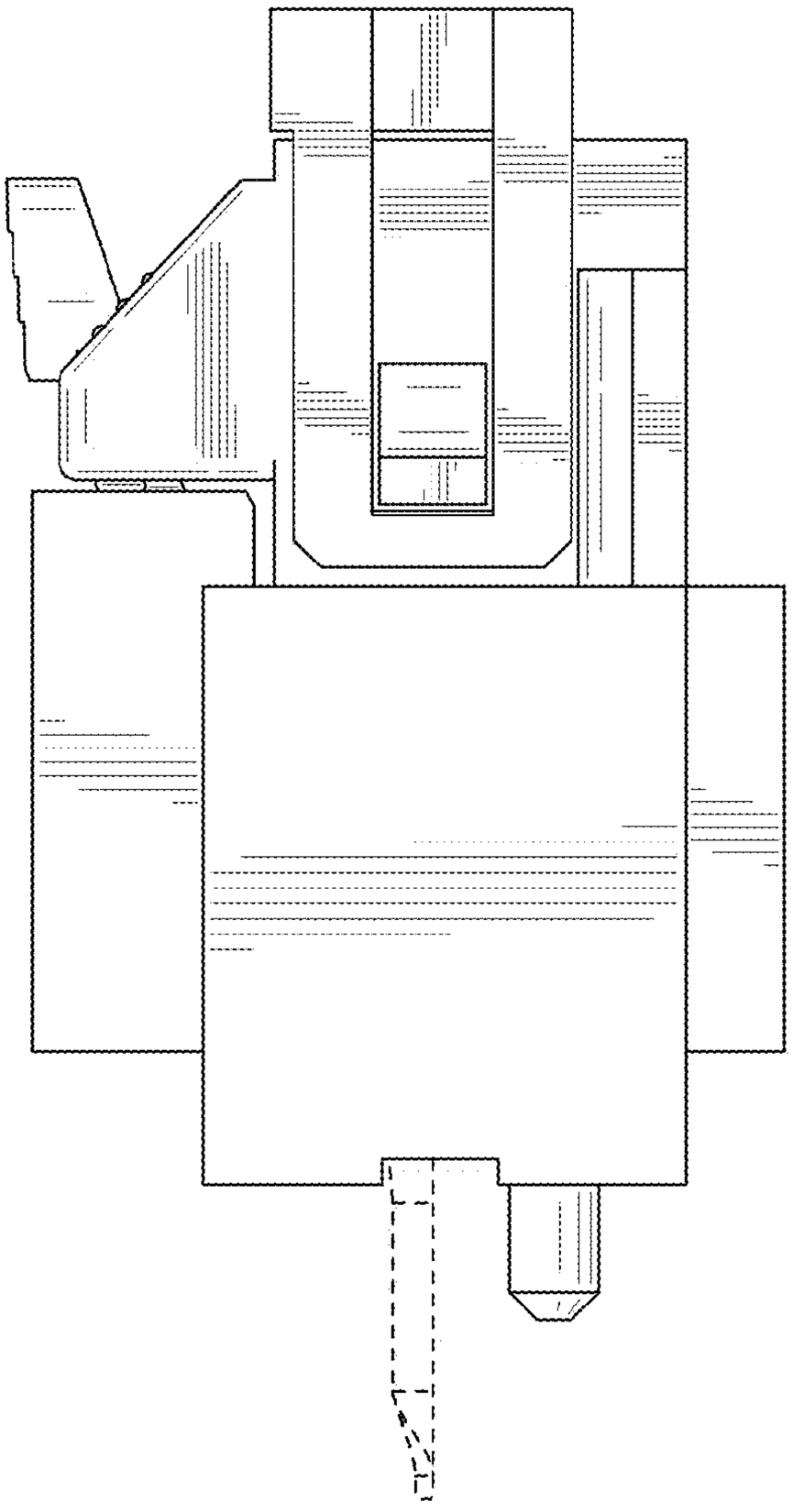
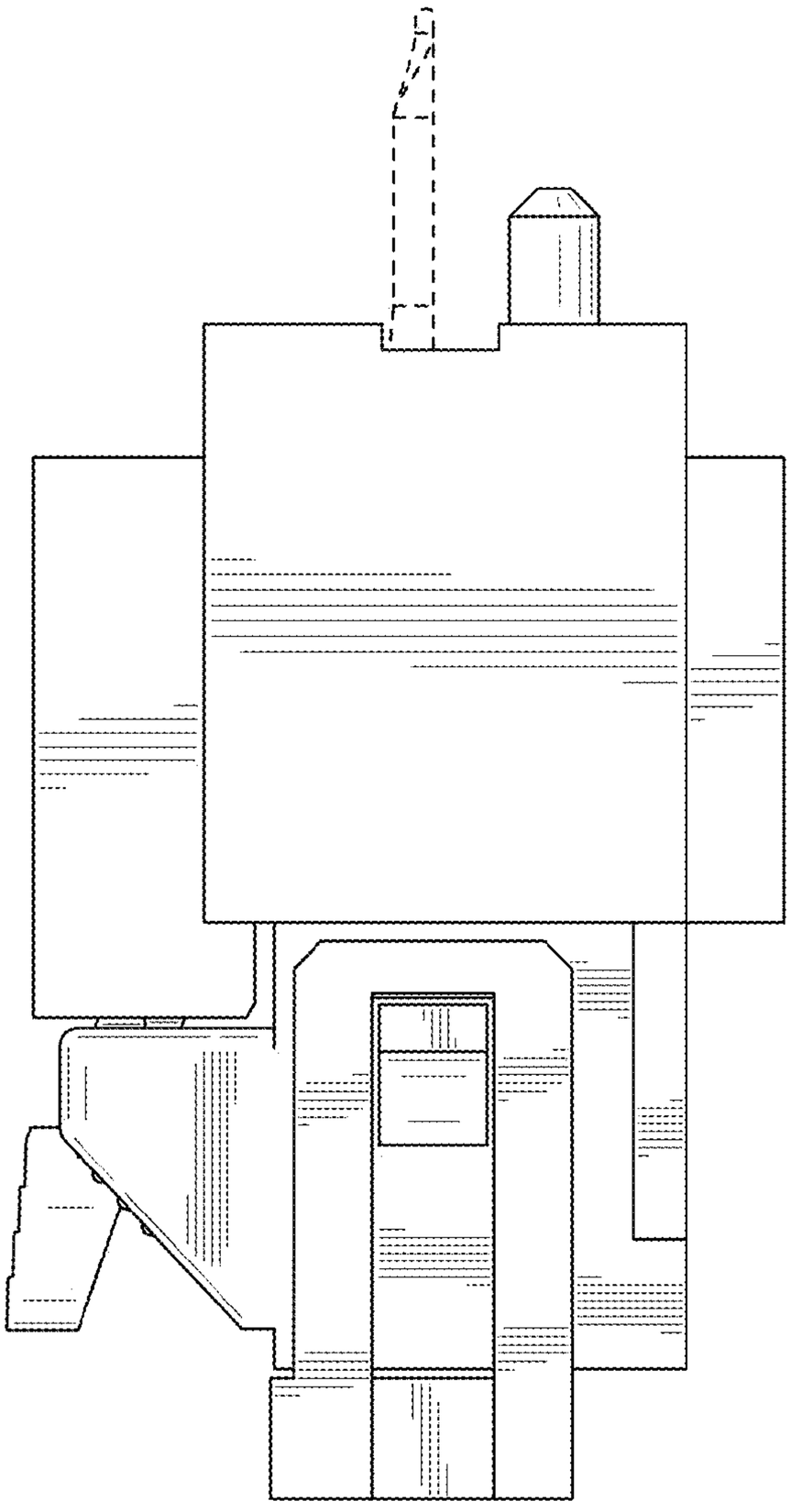


FIG. 6



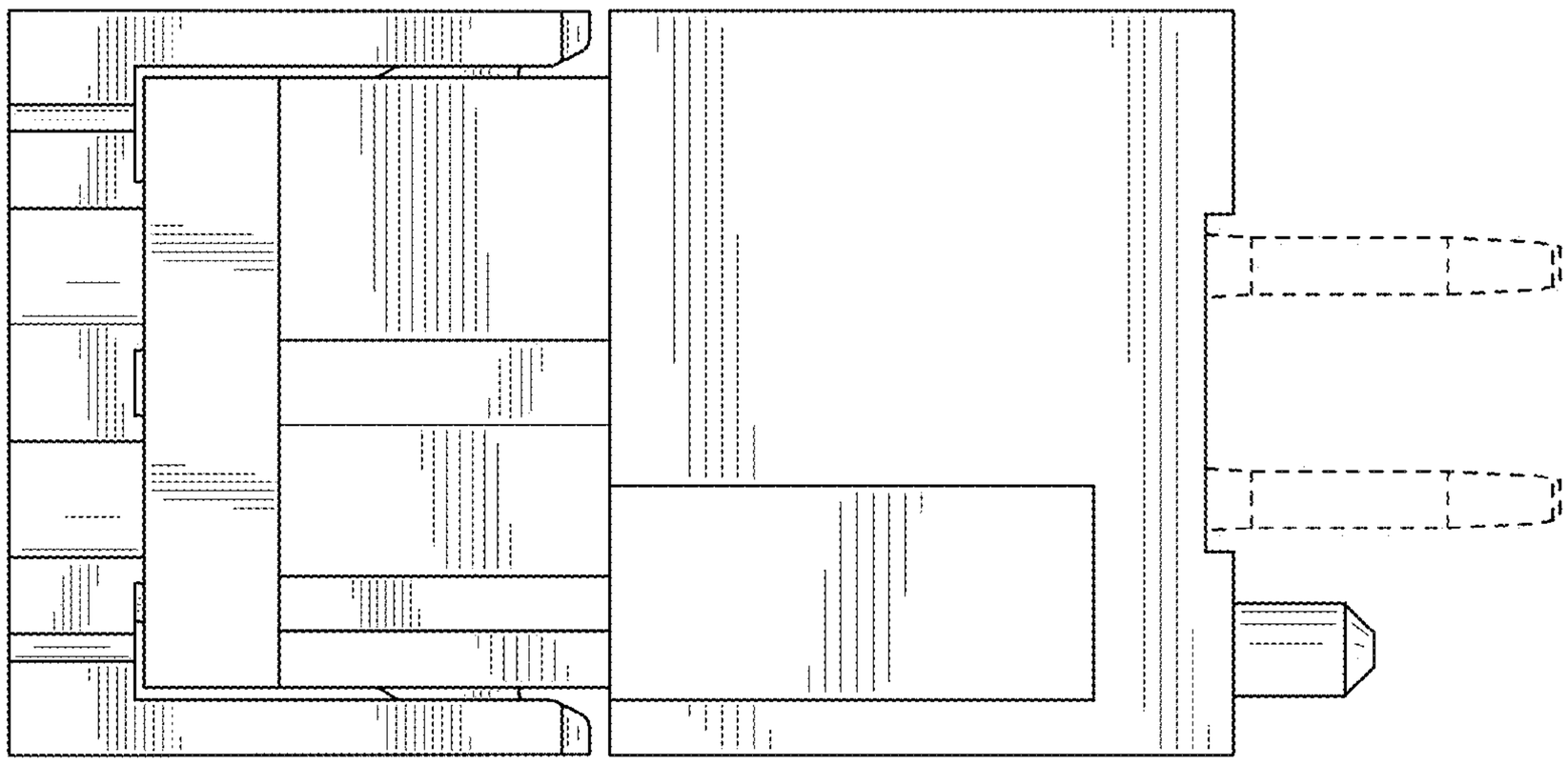


FIG. 8

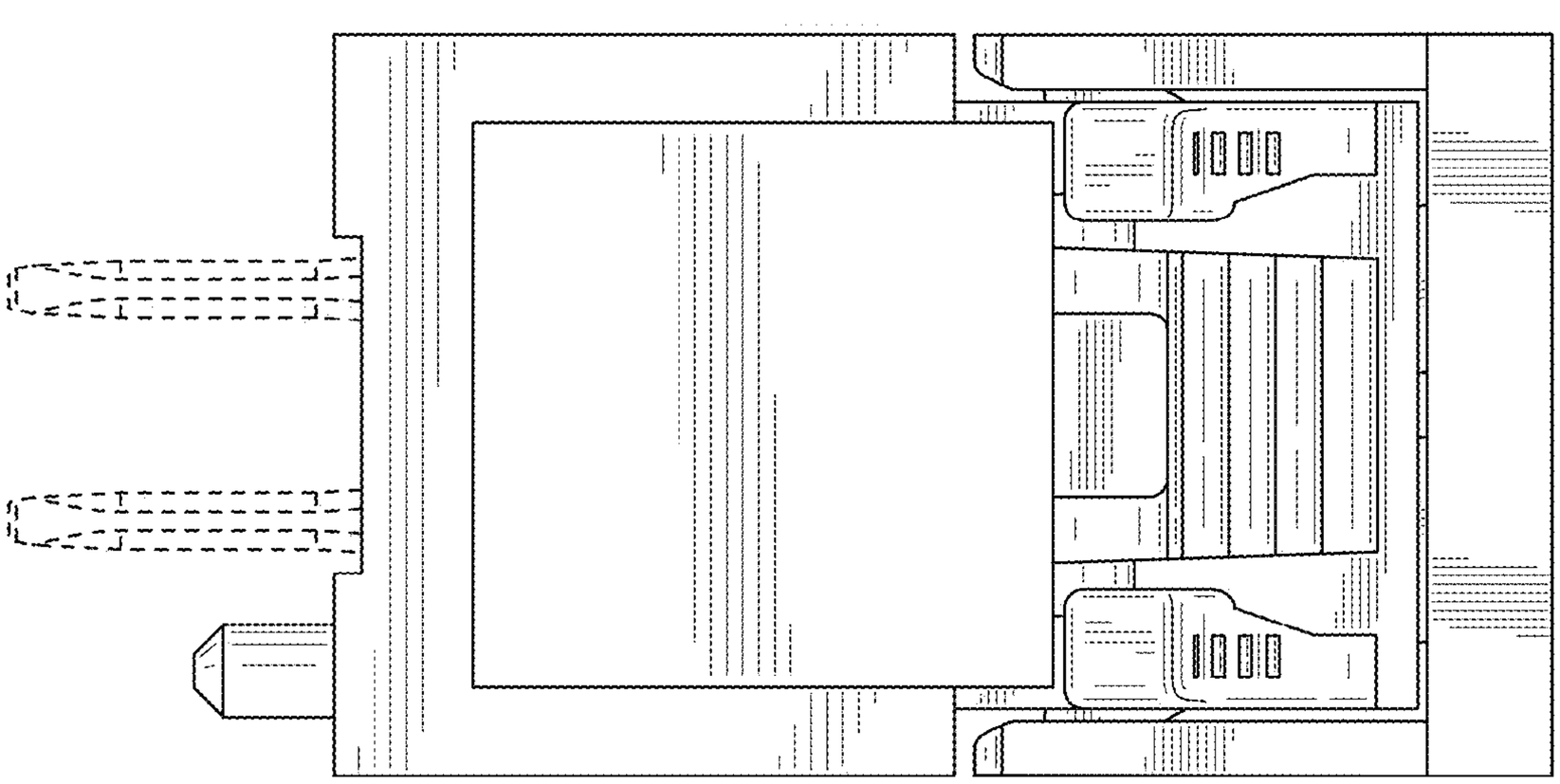


FIG. 7

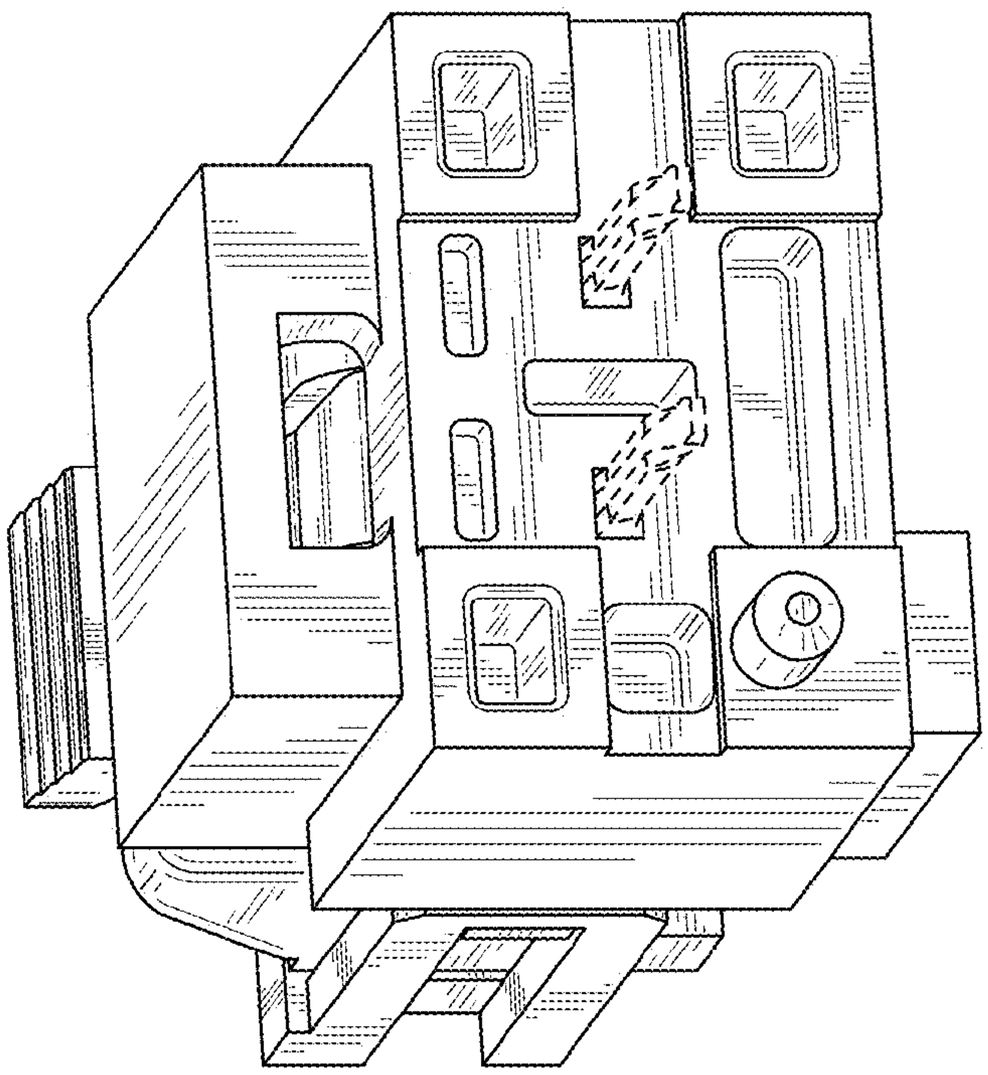


FIG. 10

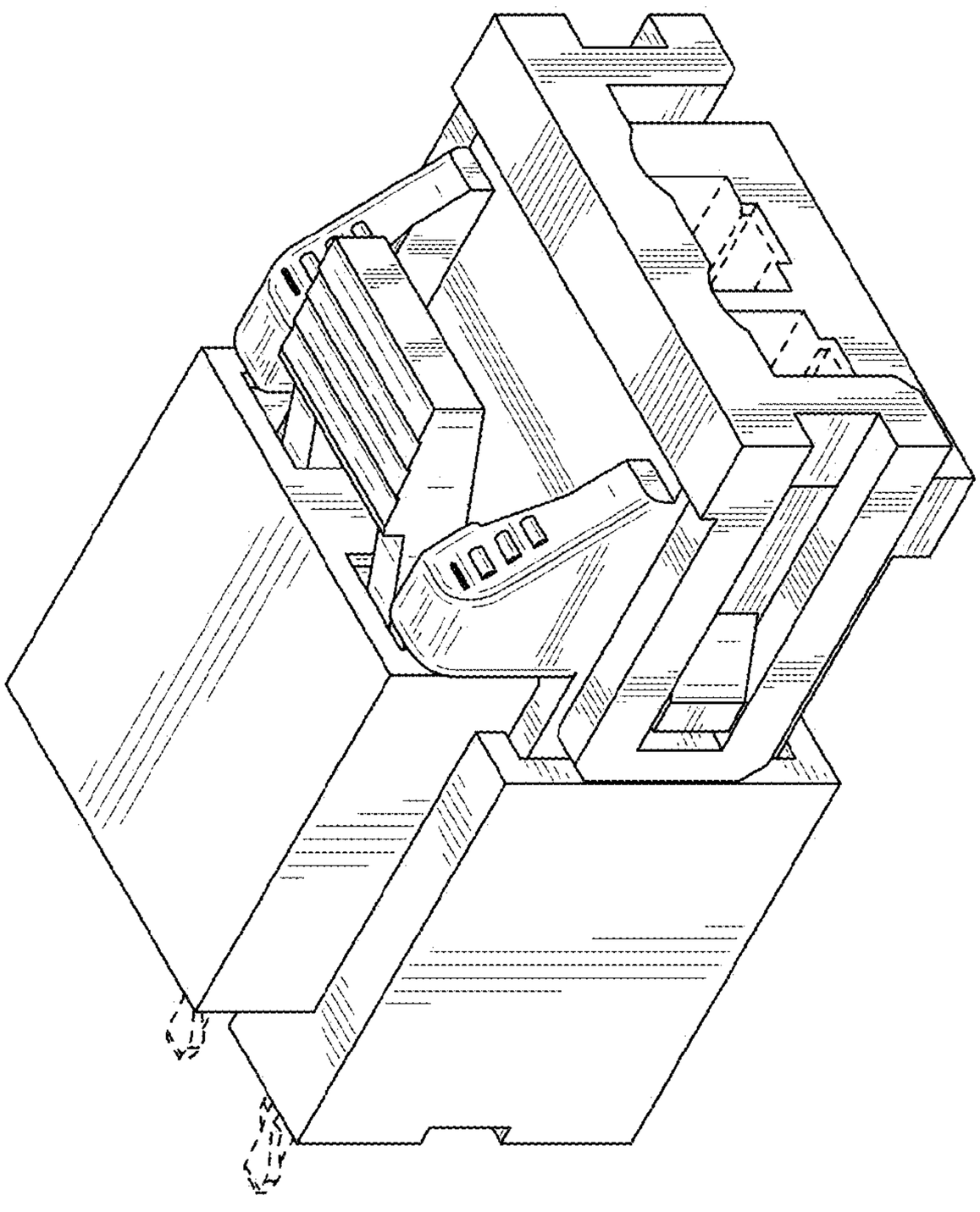


FIG. 9

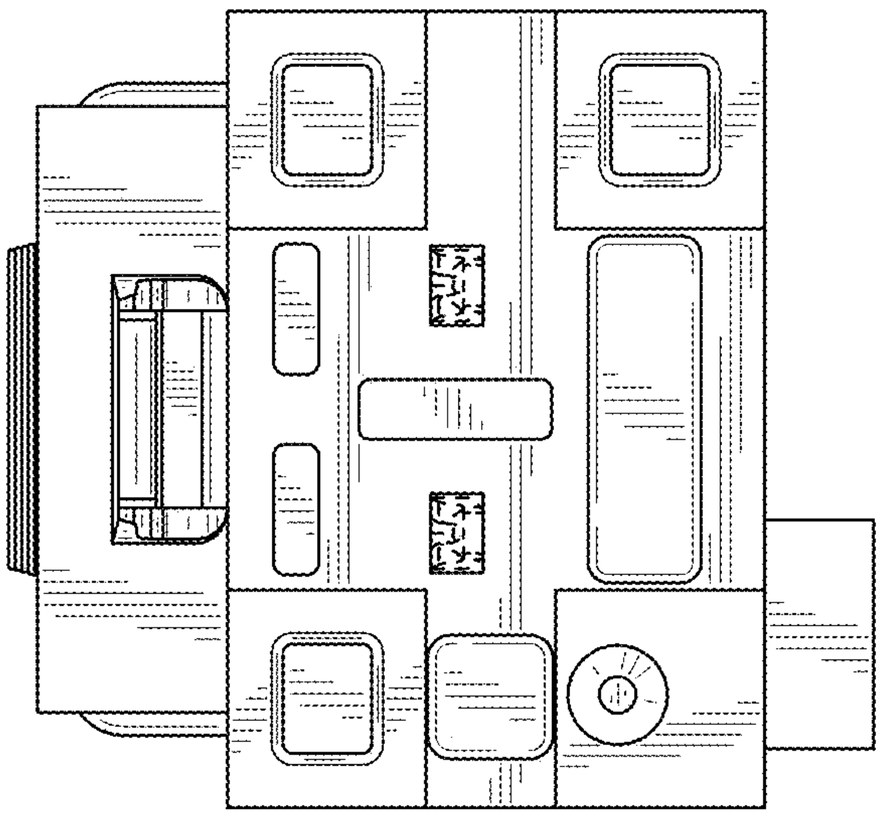


FIG. 12

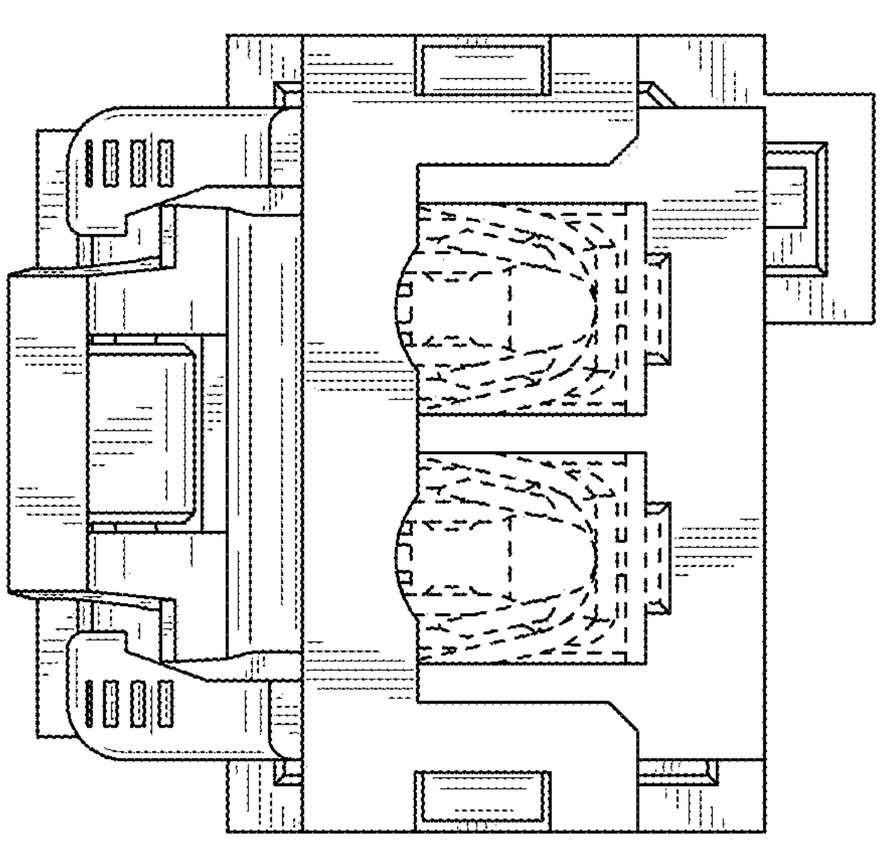


FIG. 11

FIG. 13

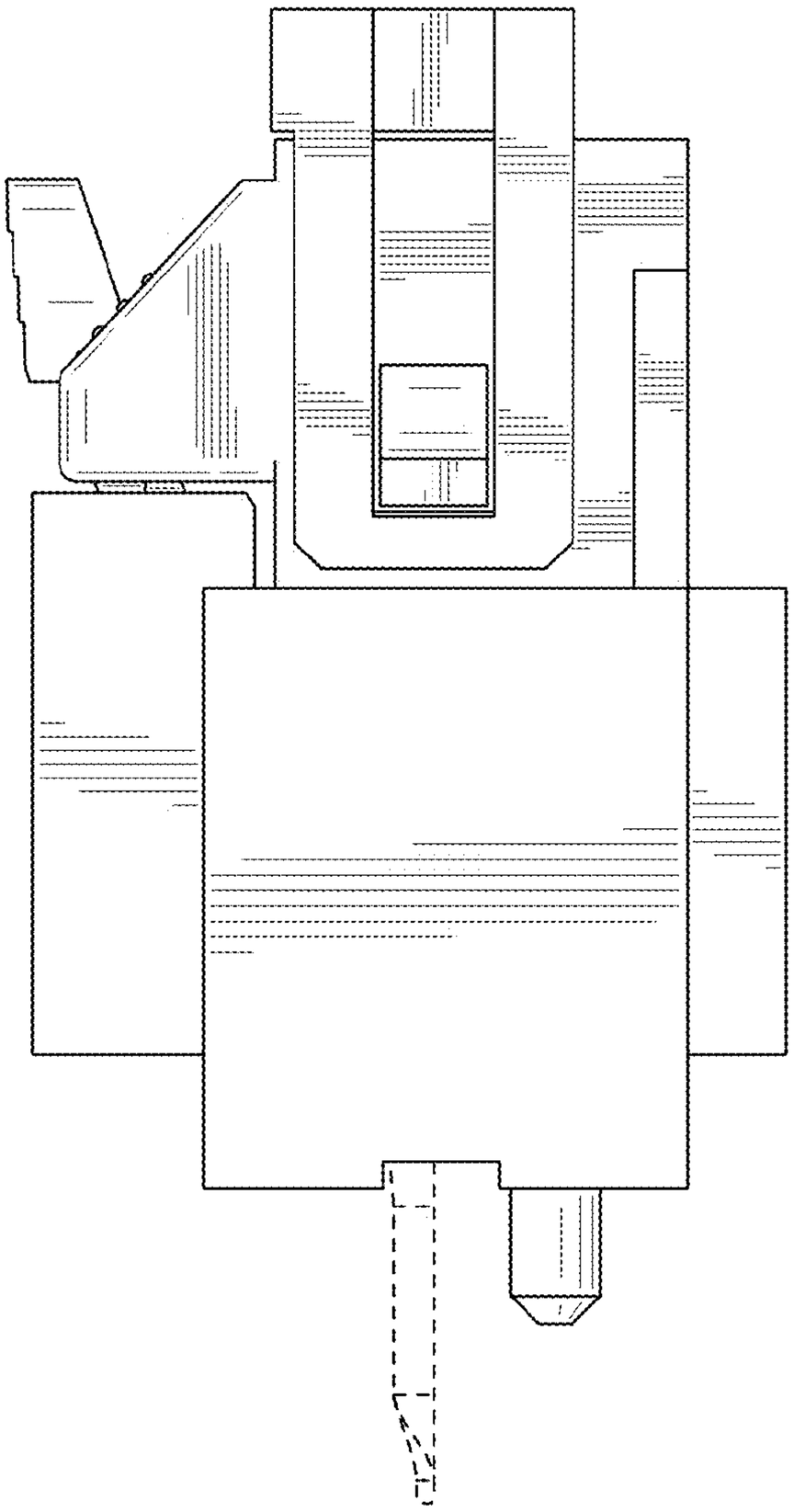
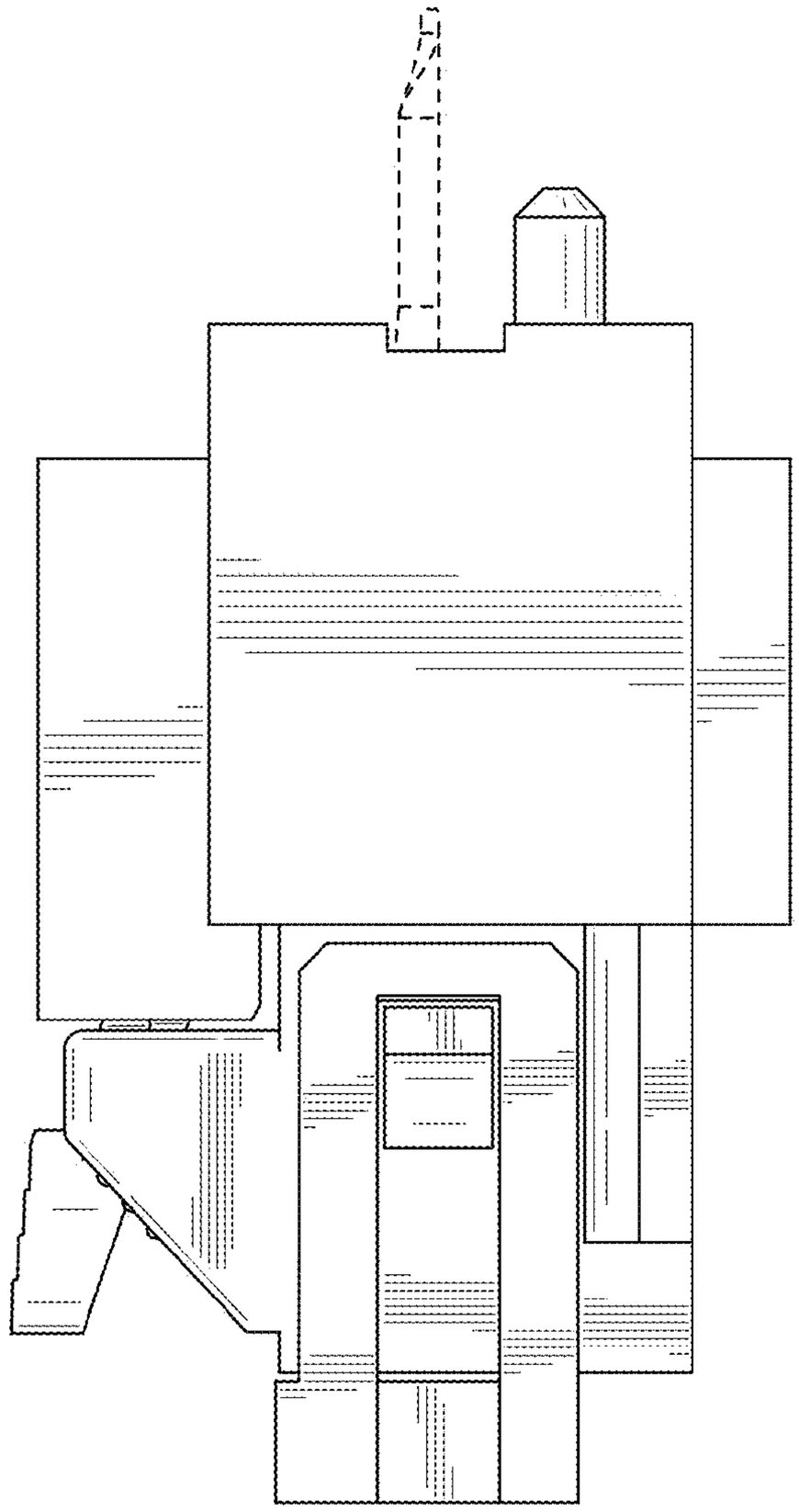


FIG. 14



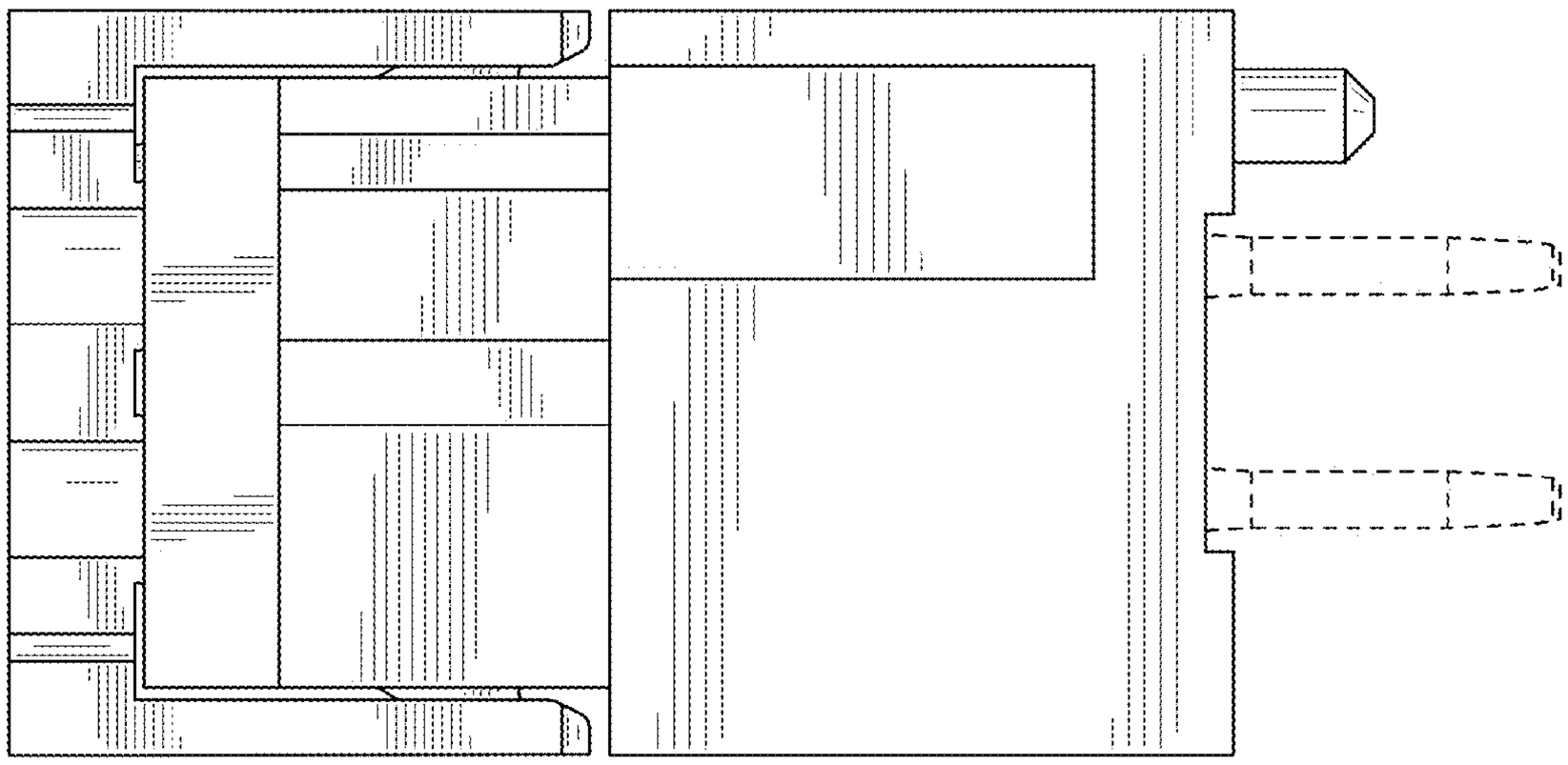


FIG. 16

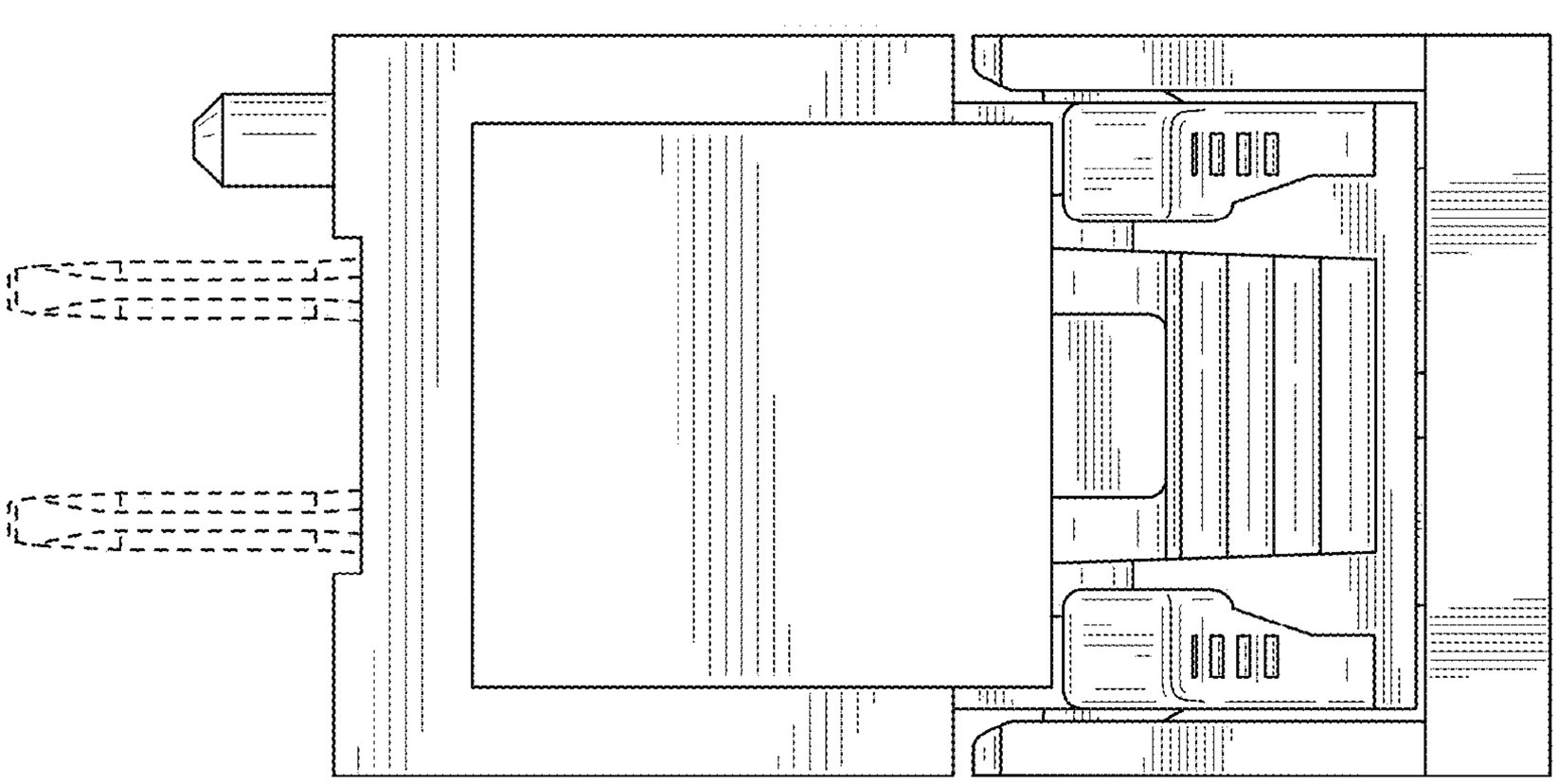


FIG. 15

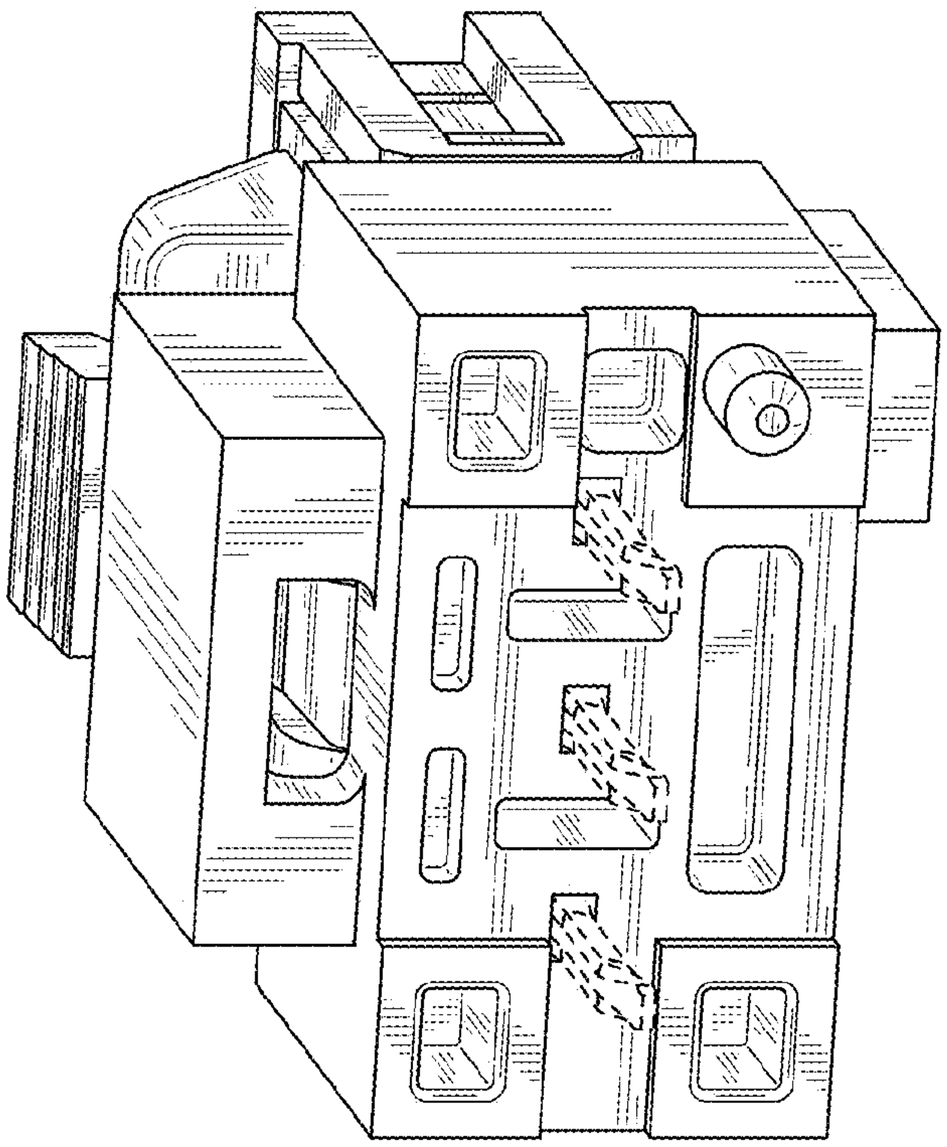


FIG. 18

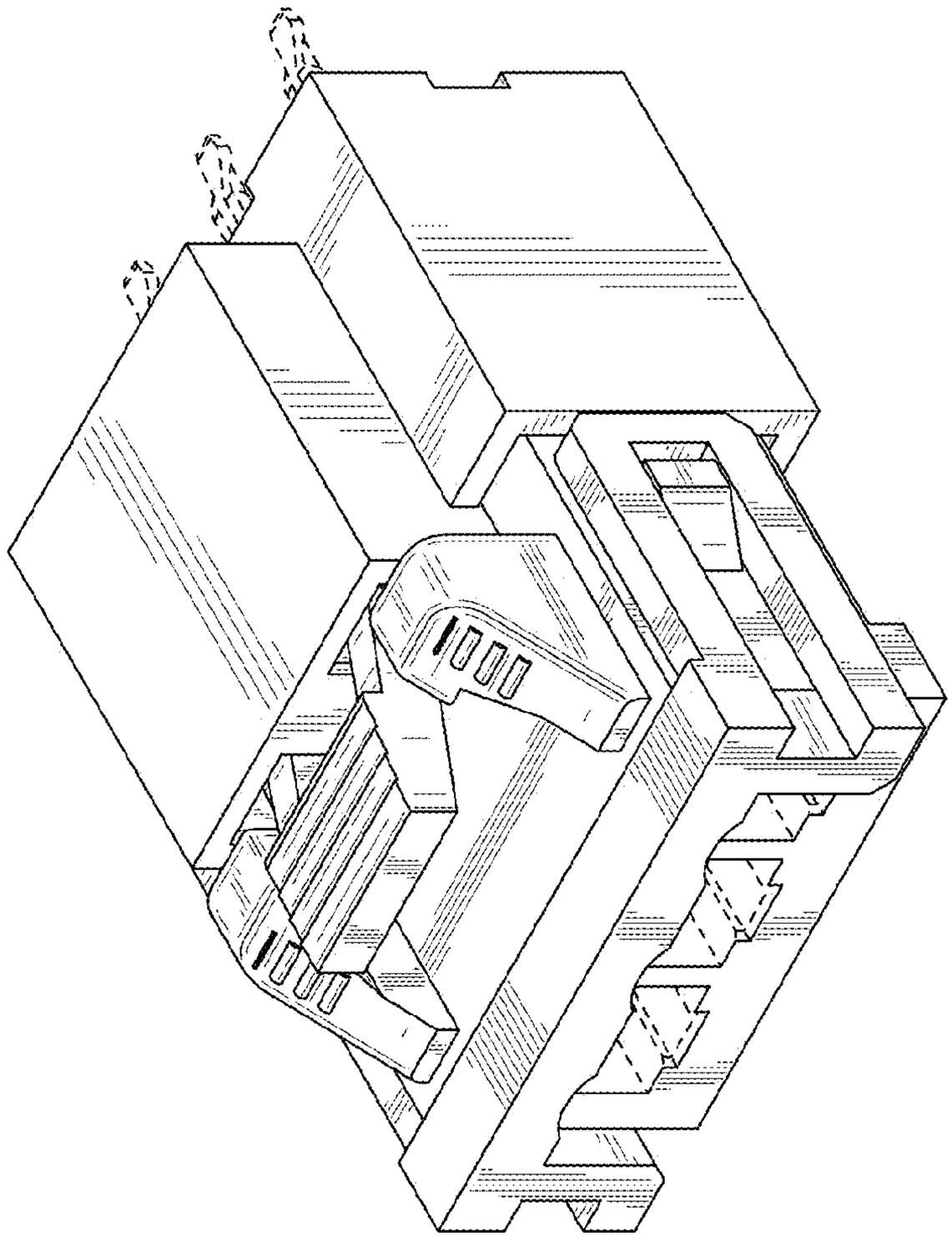


FIG. 17

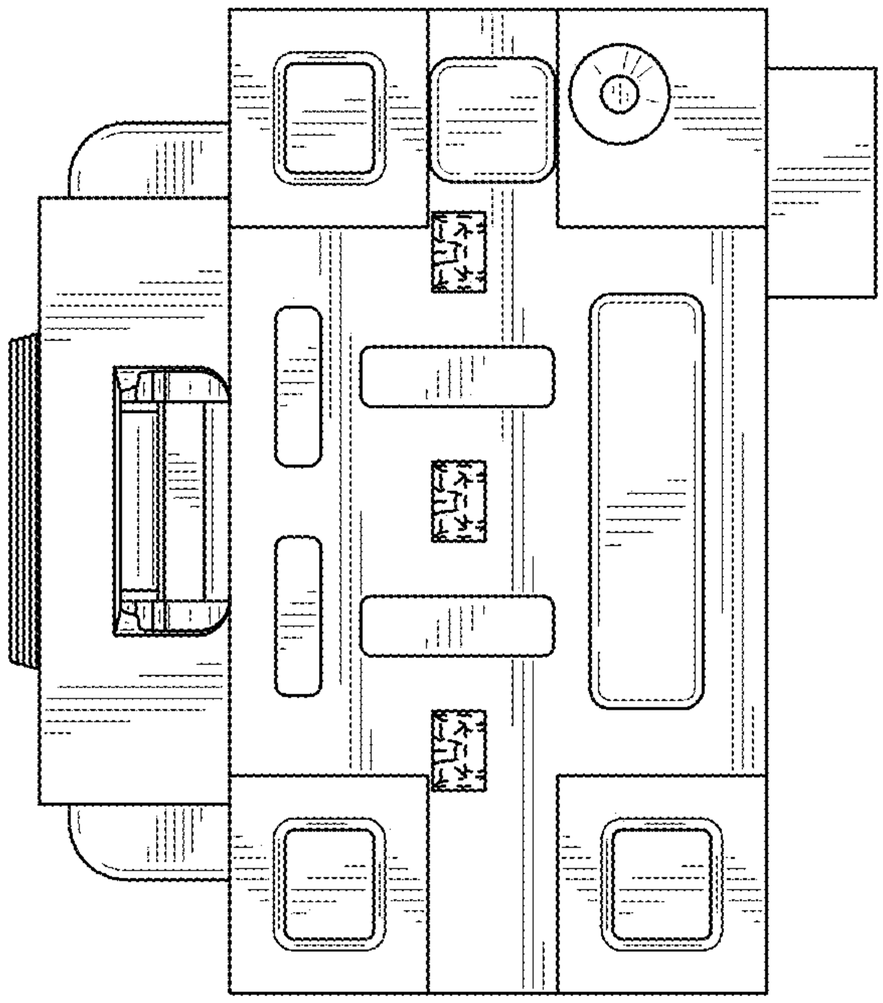


FIG. 20

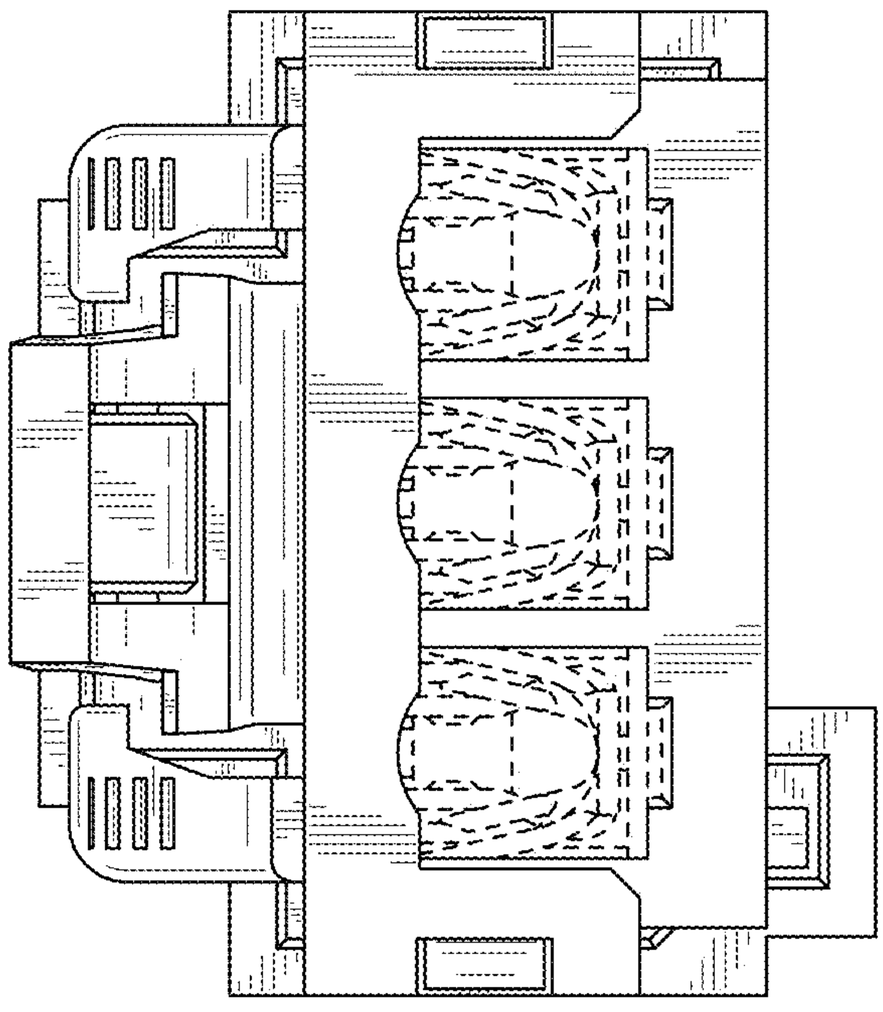


FIG. 19

FIG. 21

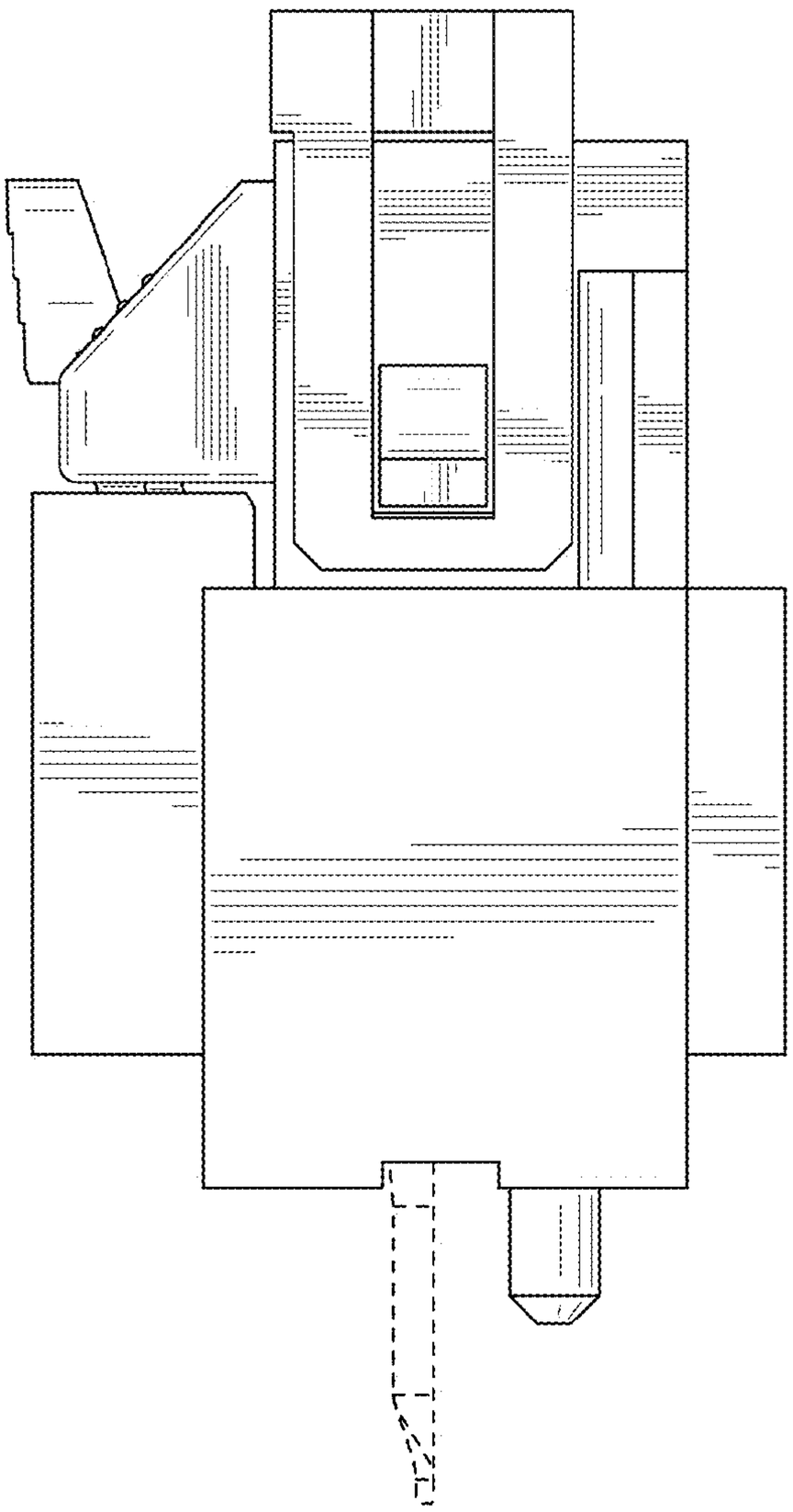
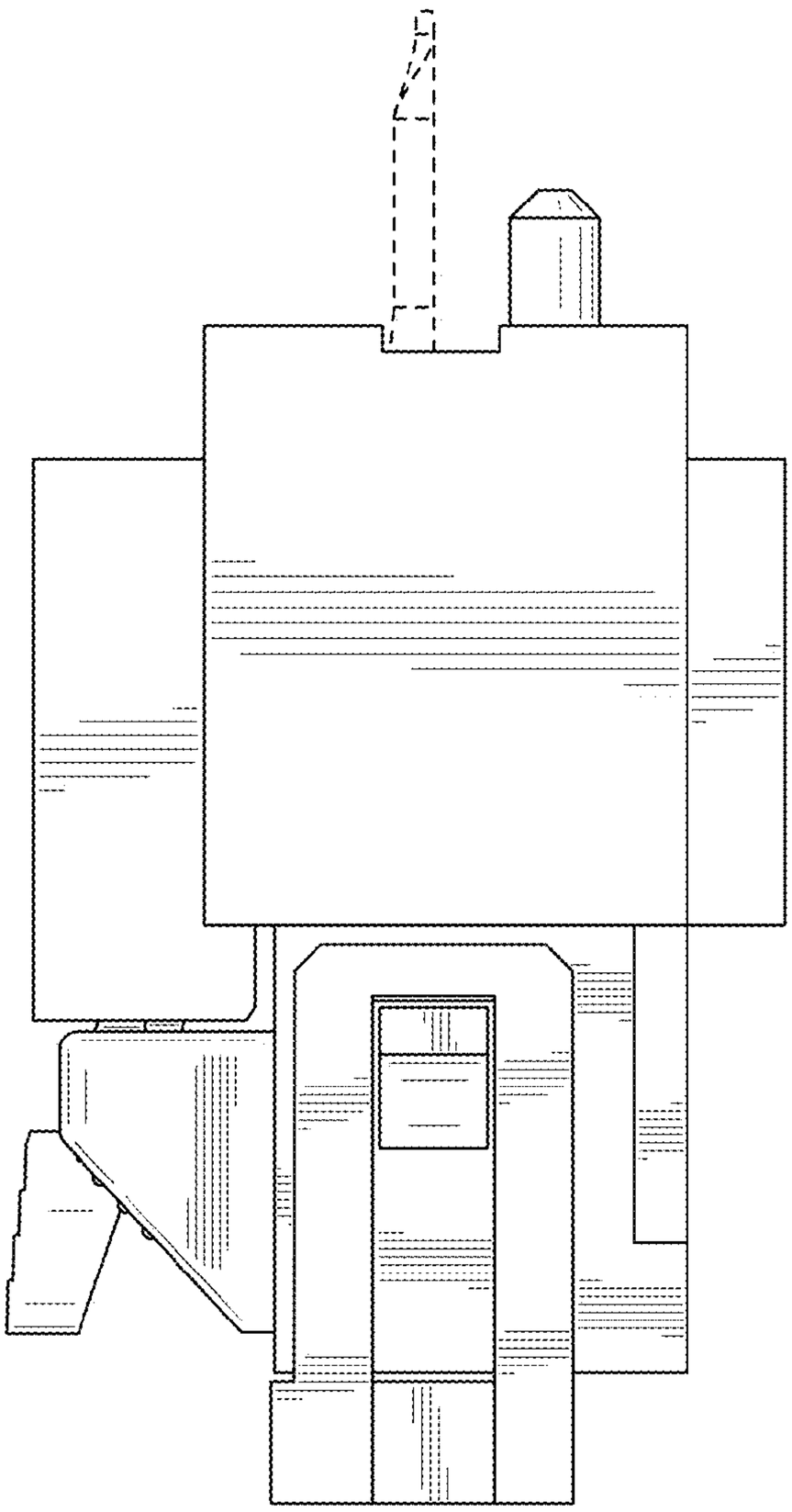


FIG. 22



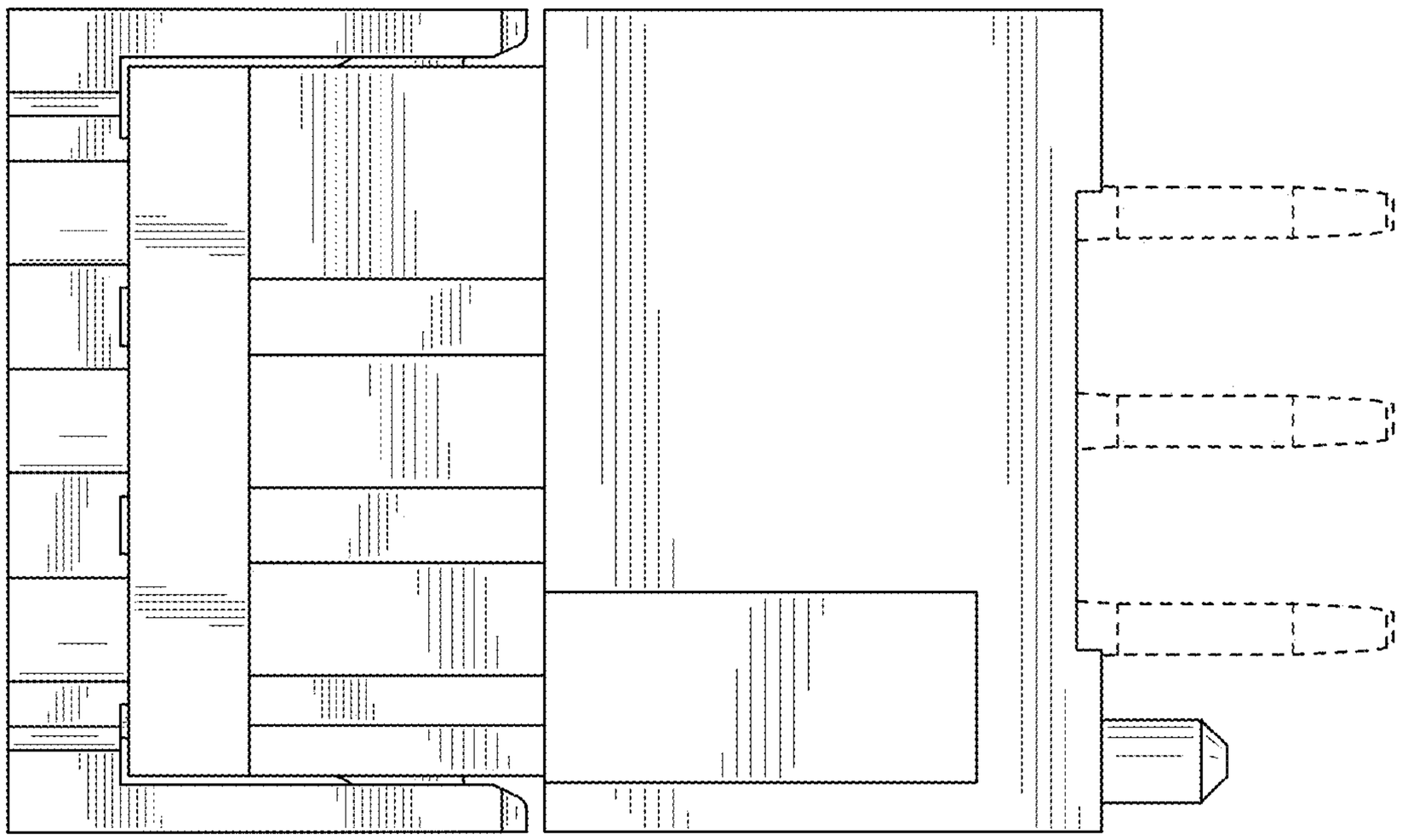
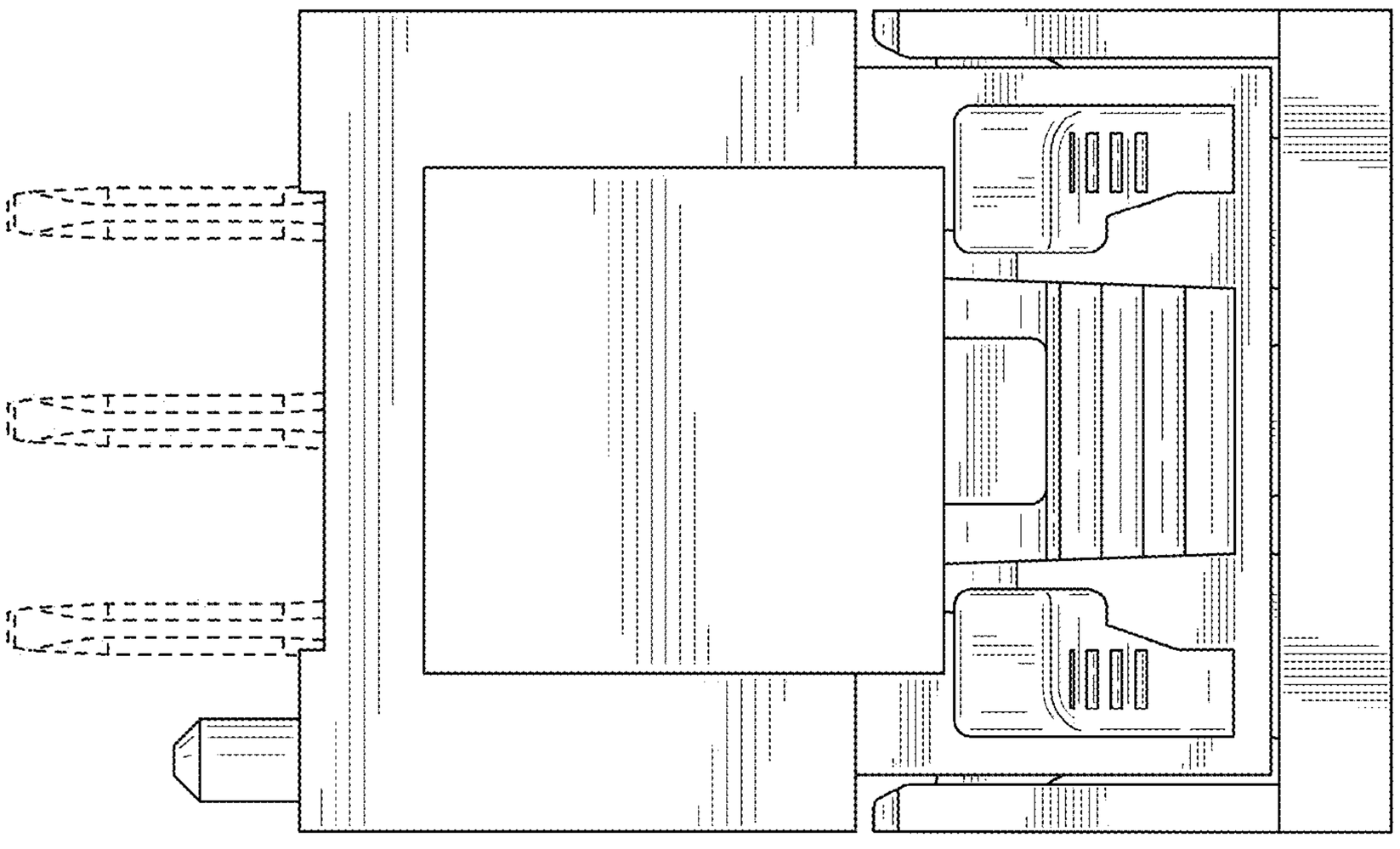


FIG. 24



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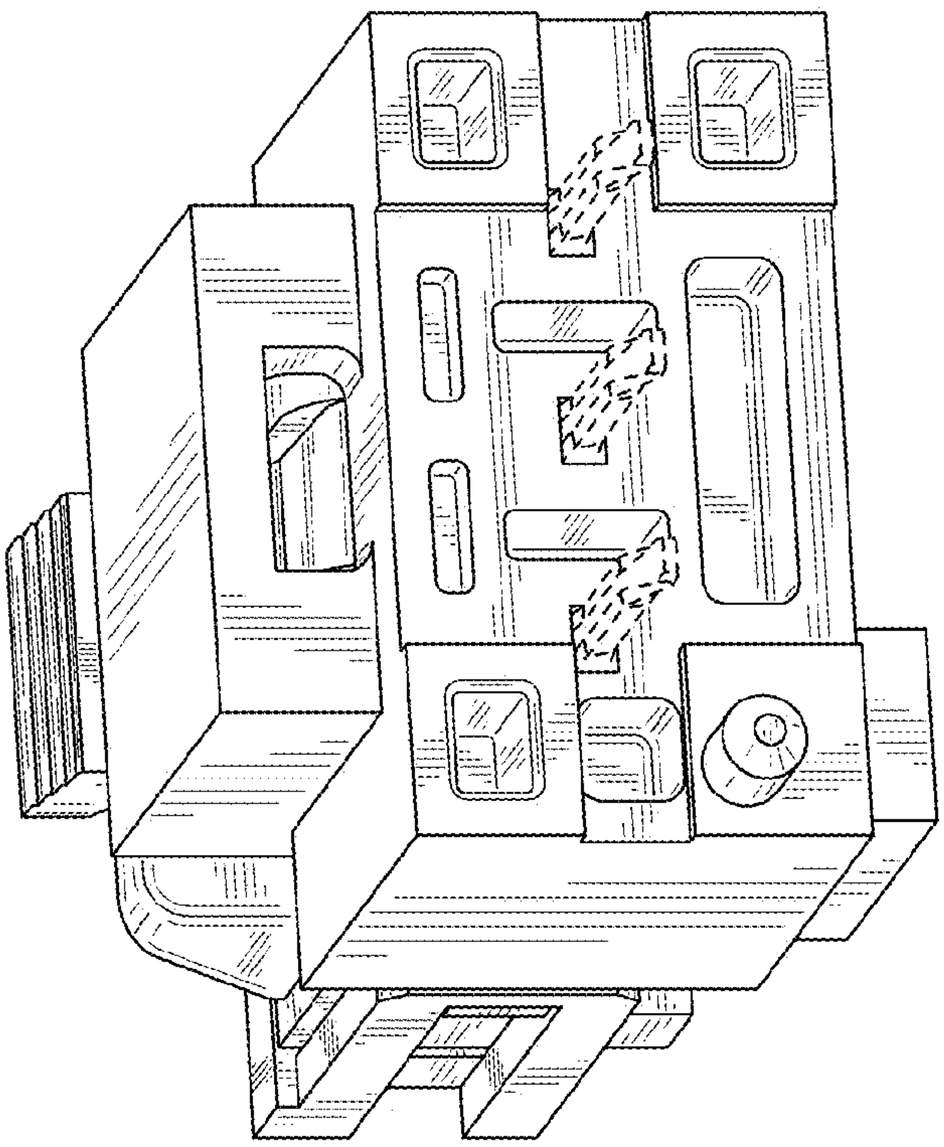


FIG. 26

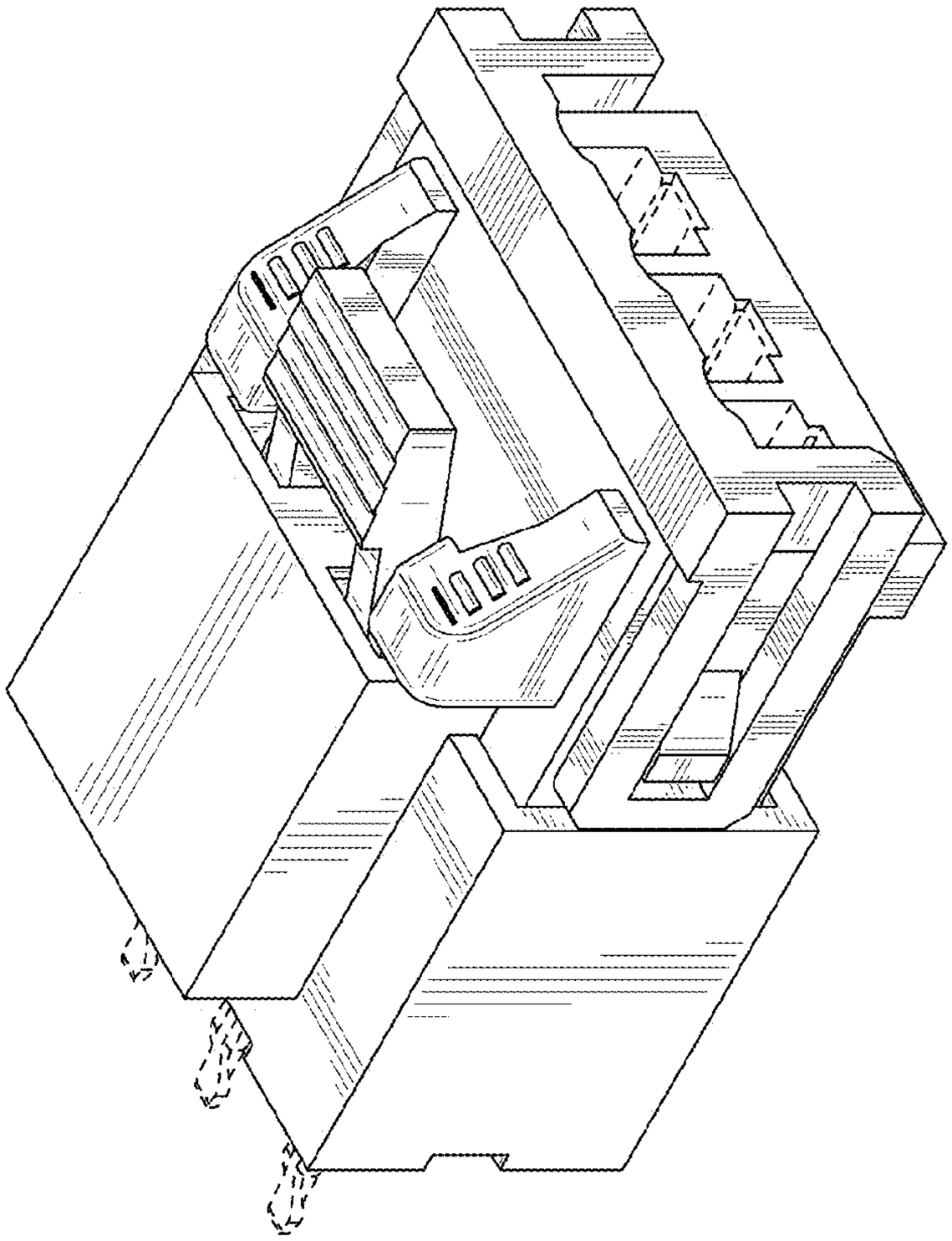


FIG. 25

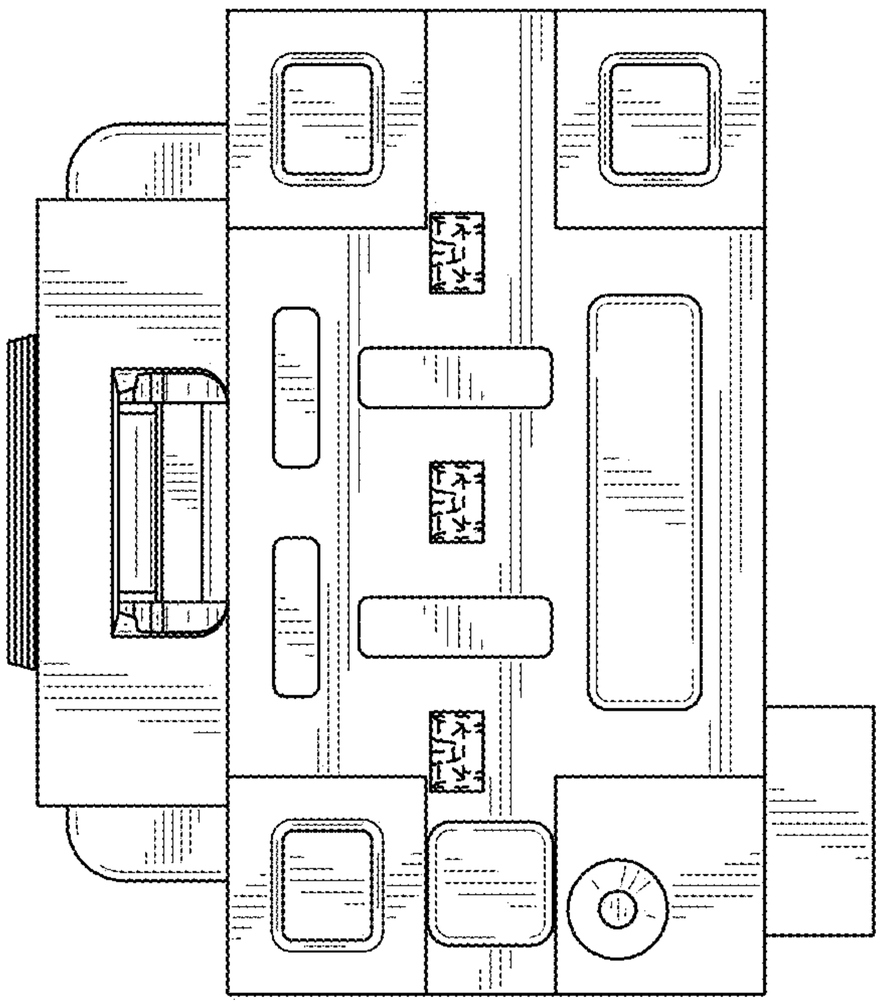


FIG. 28

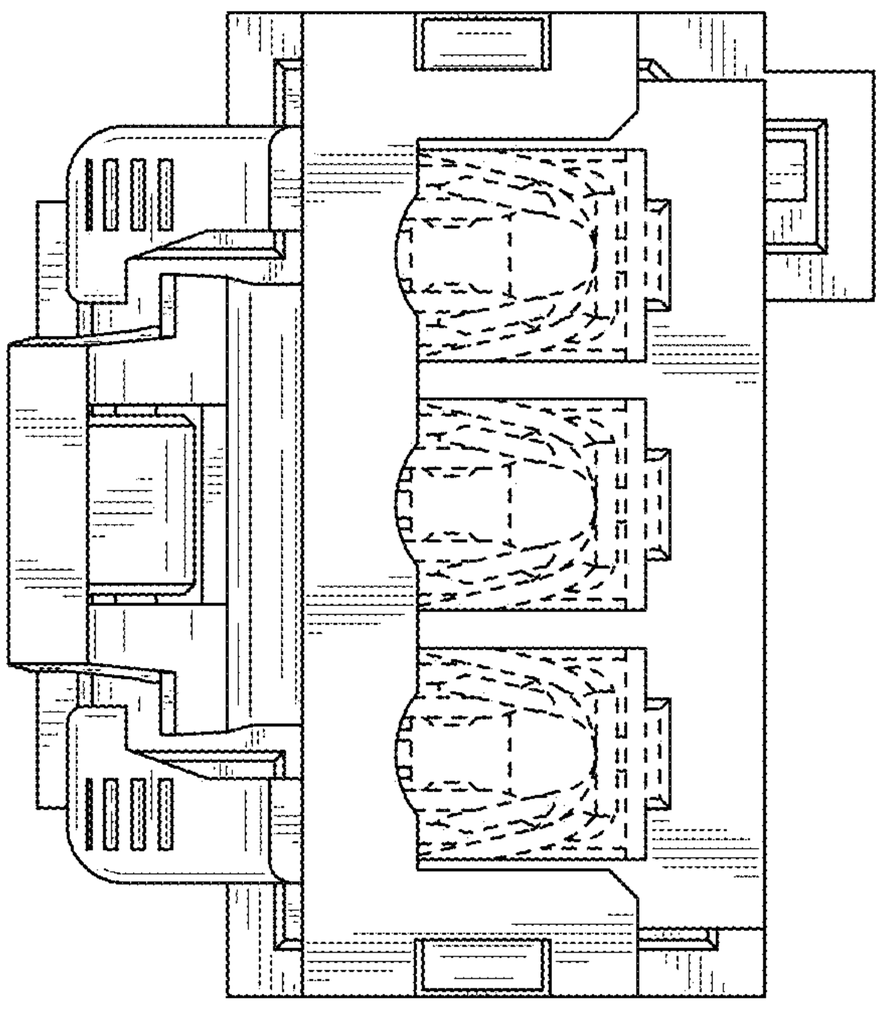


FIG. 27

FIG. 29

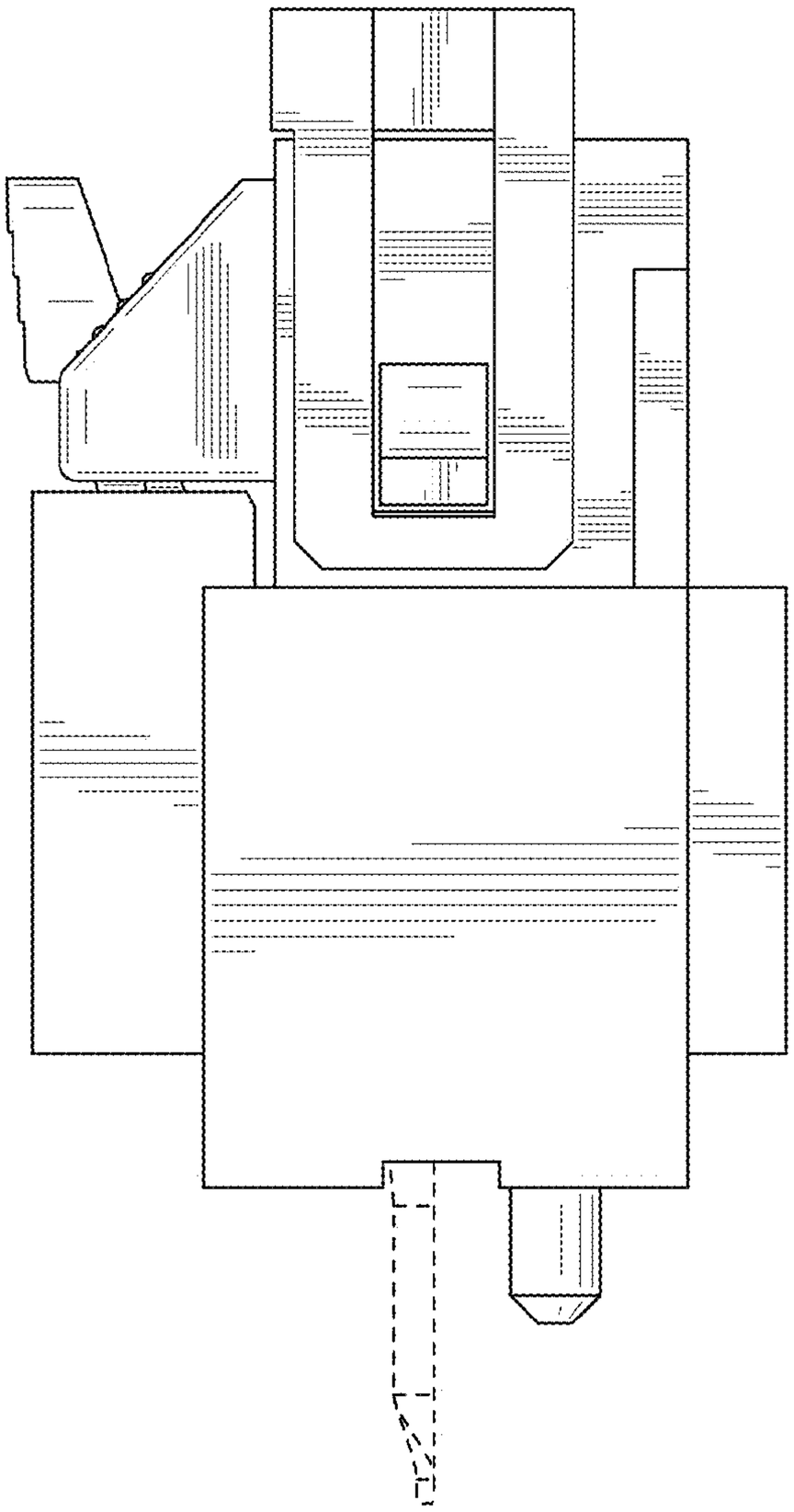
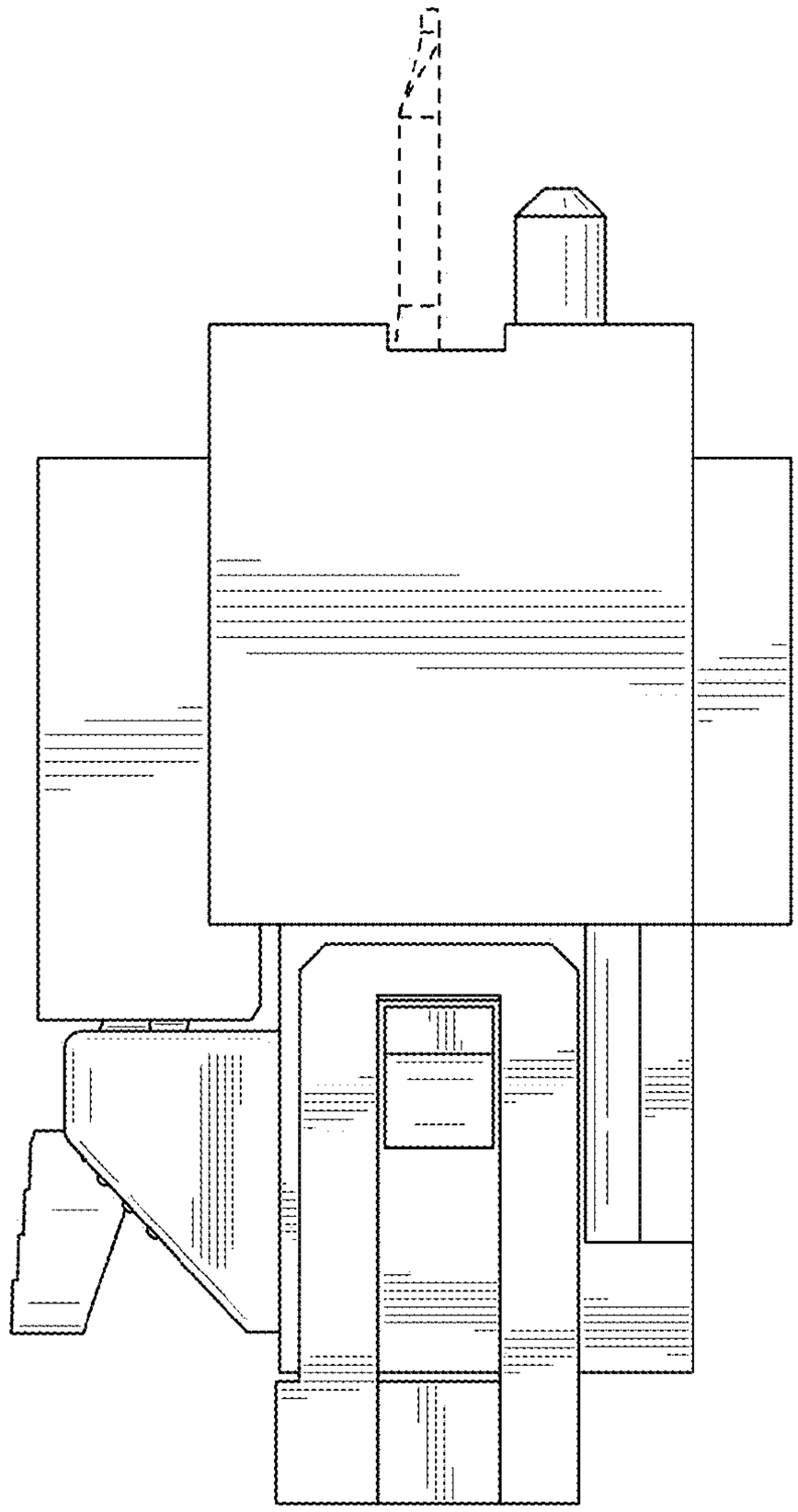


FIG. 30



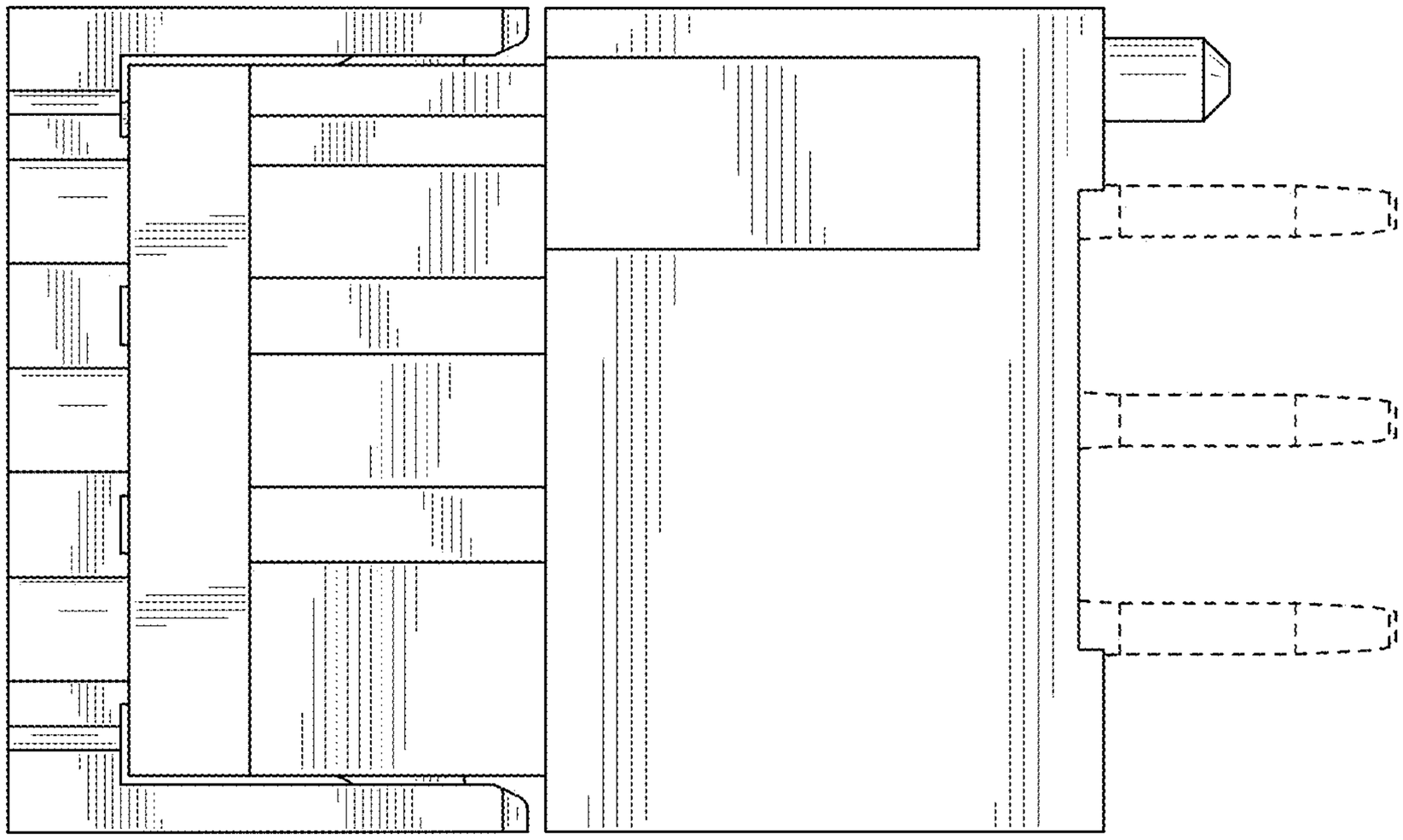


FIG. 32

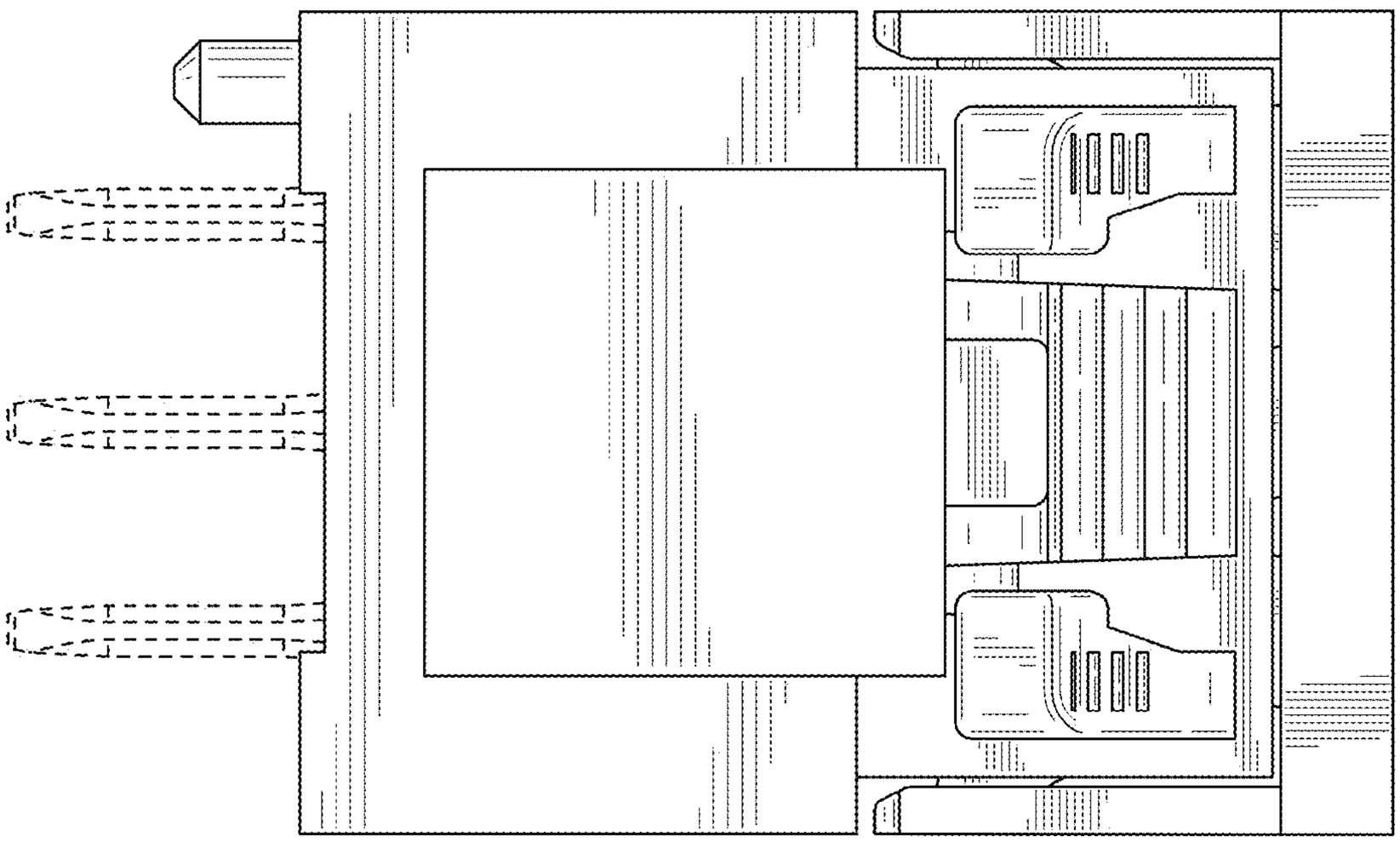


FIG. 31

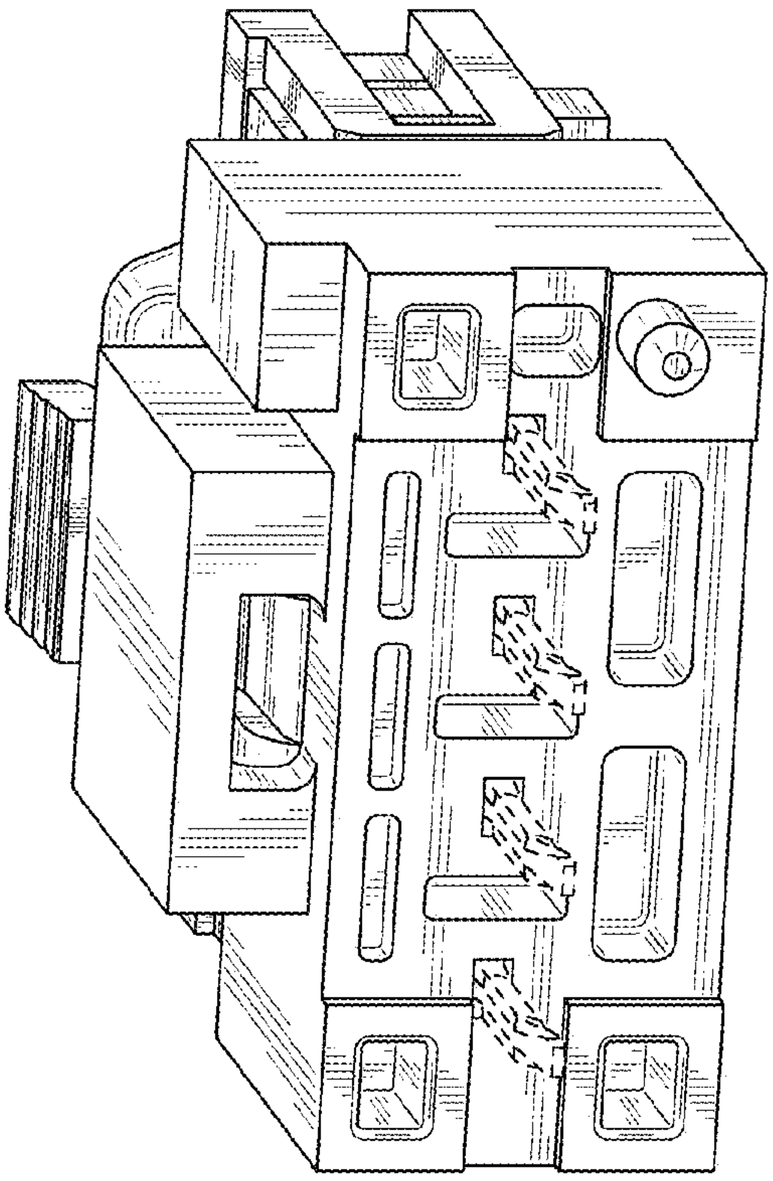


FIG. 34

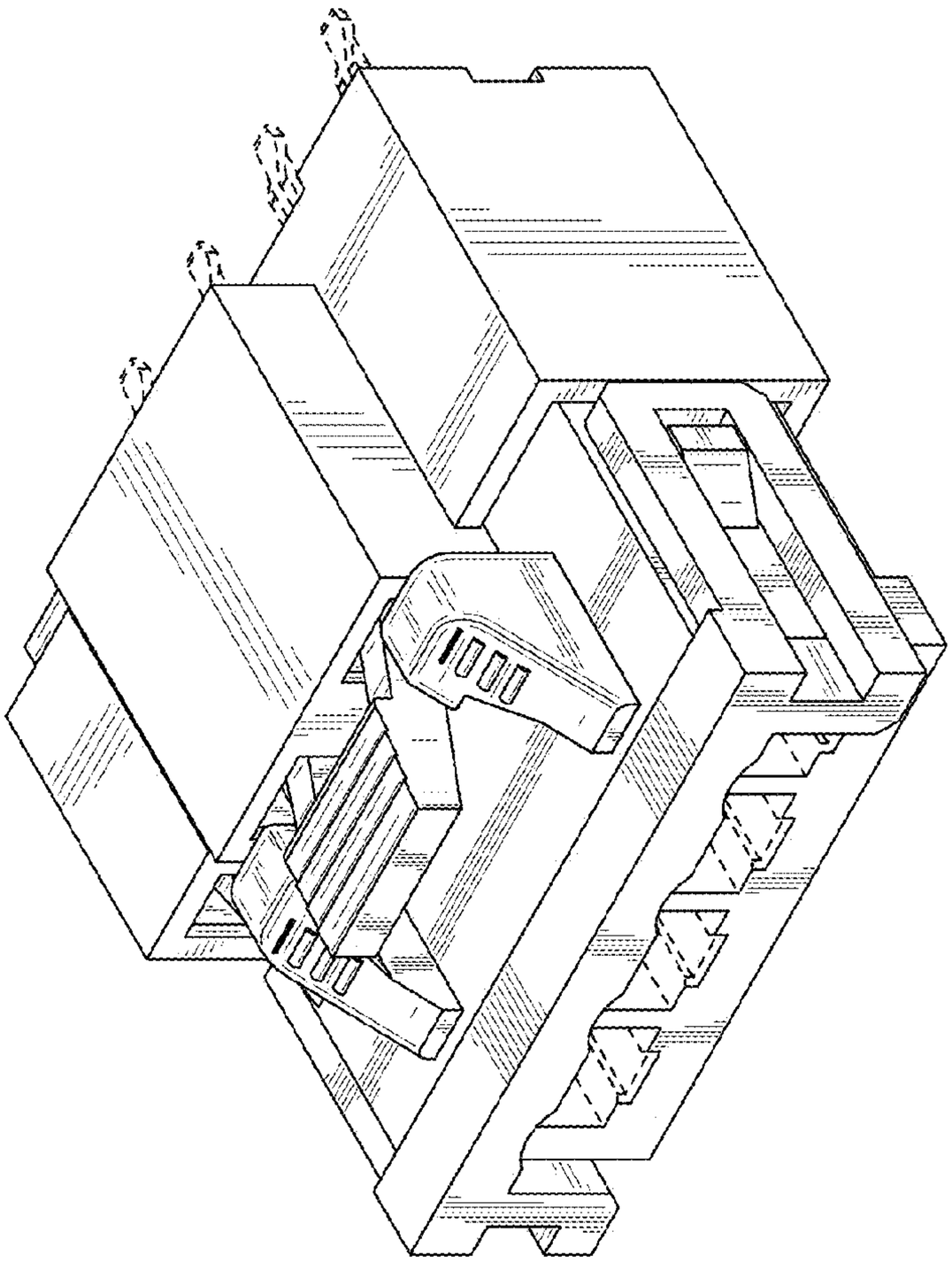


FIG. 33

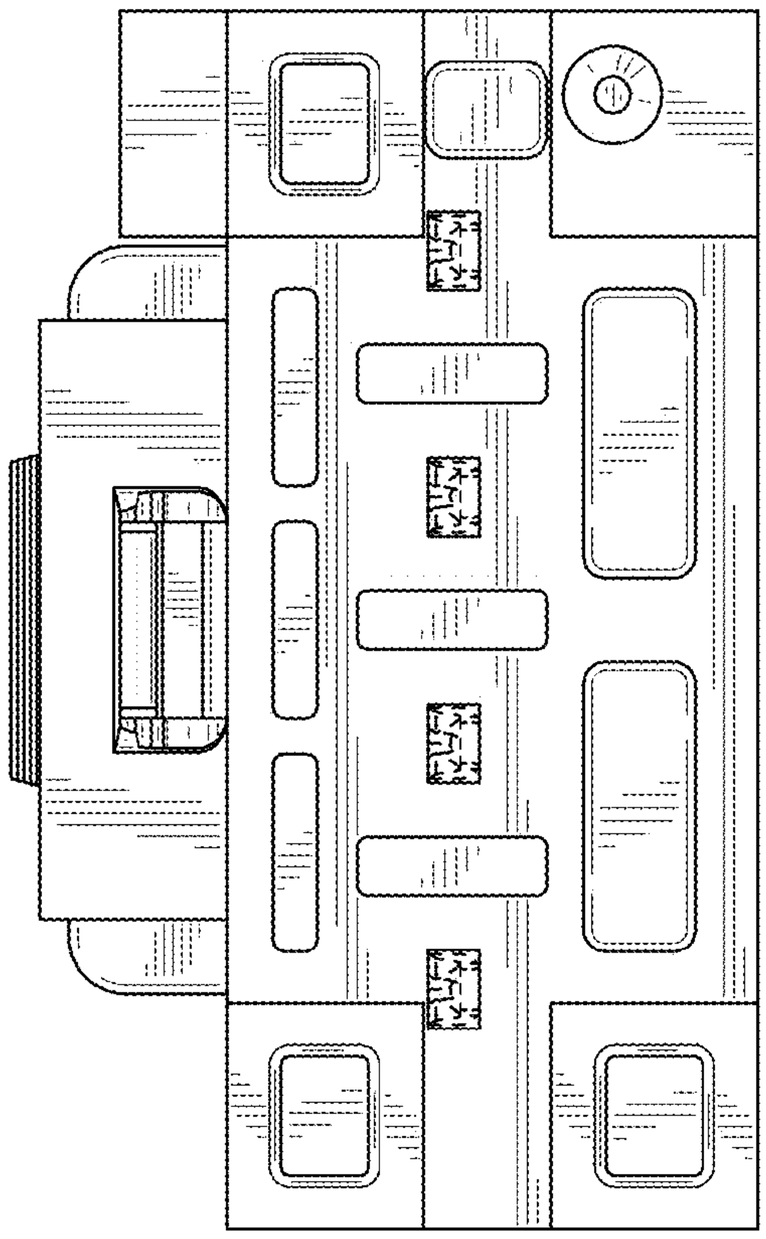


FIG. 36

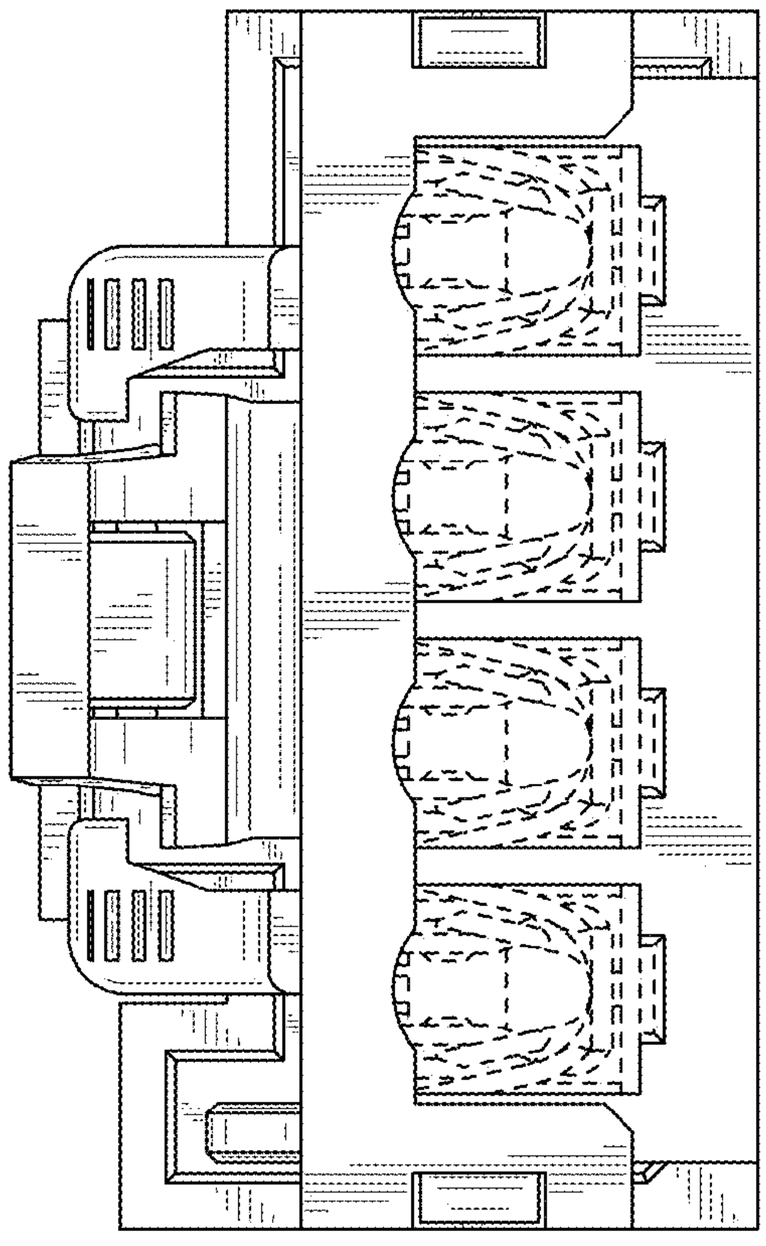


FIG. 35

FIG. 37

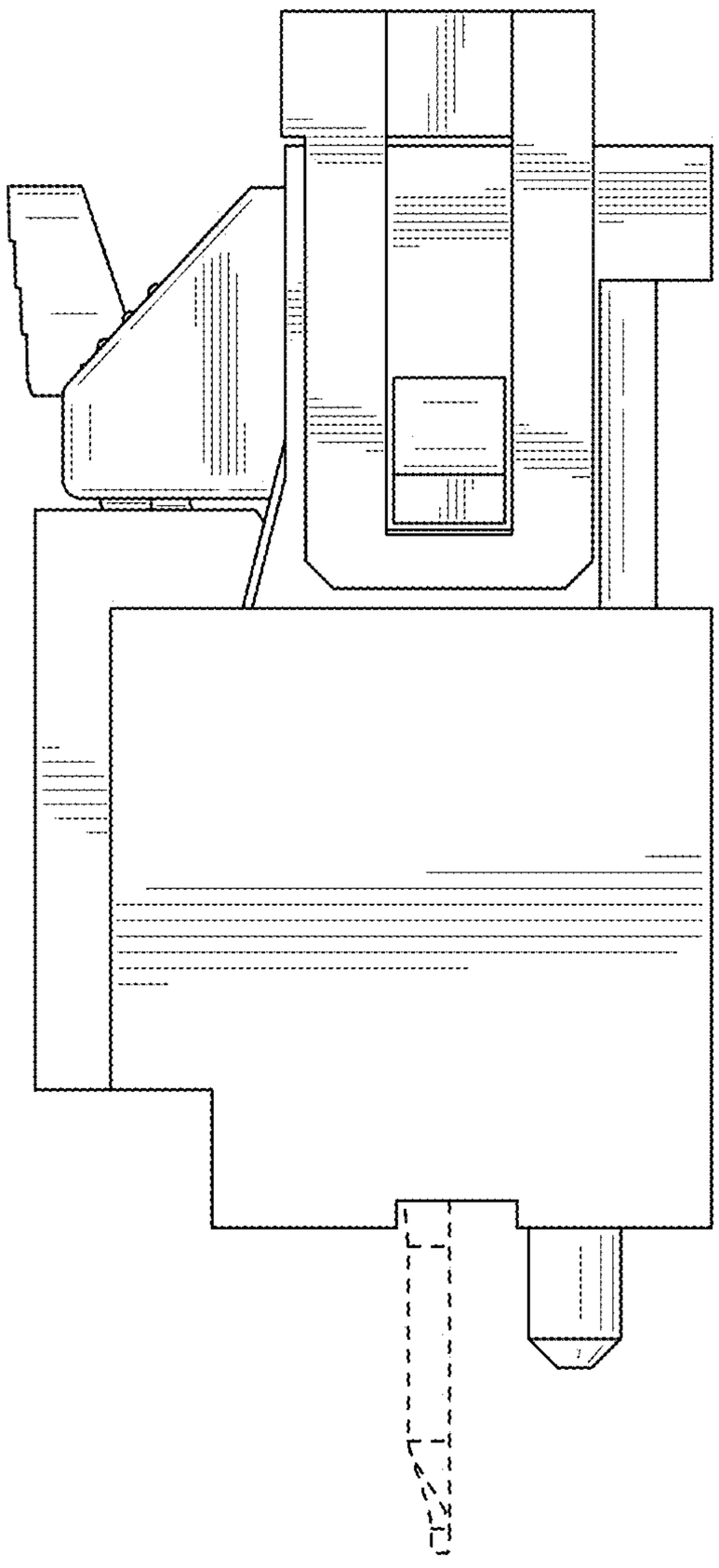
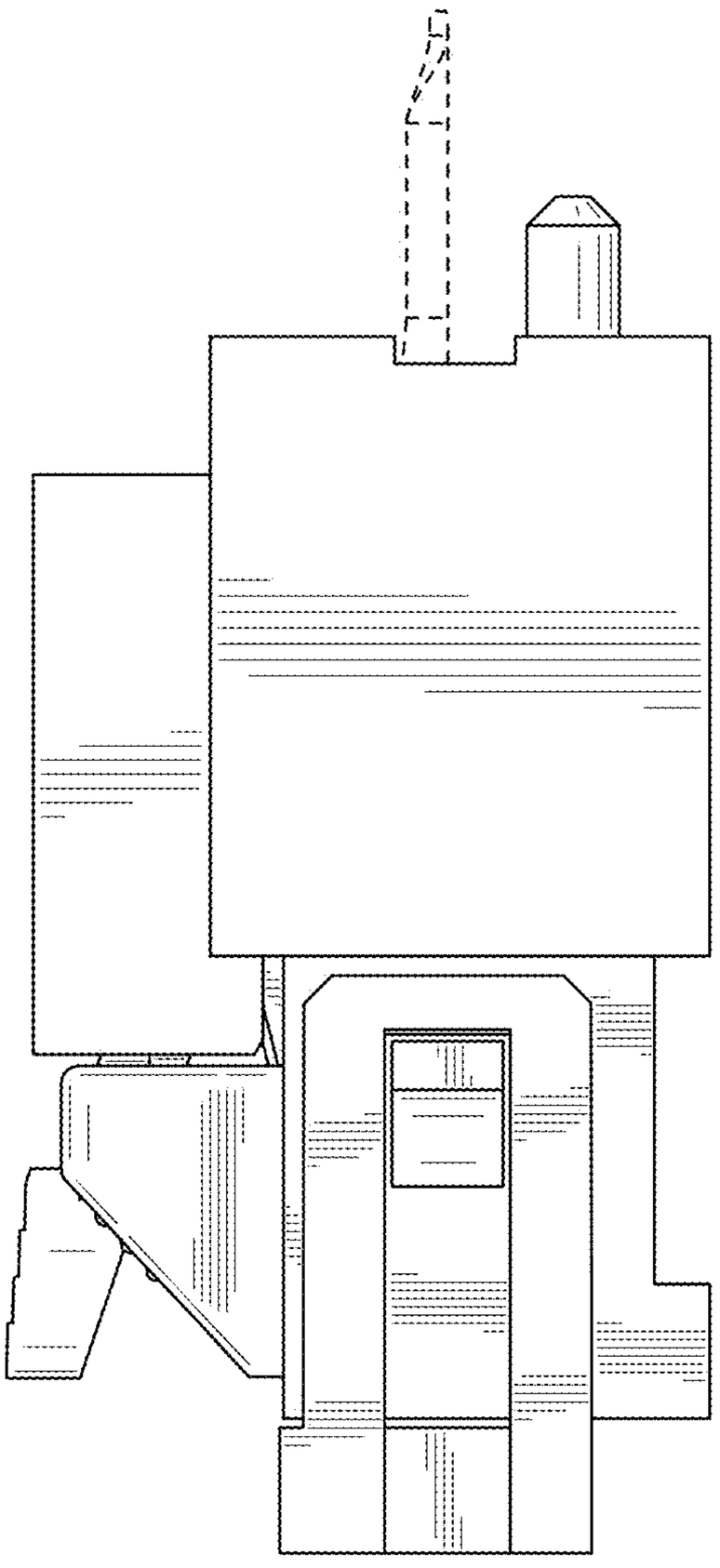


FIG. 38



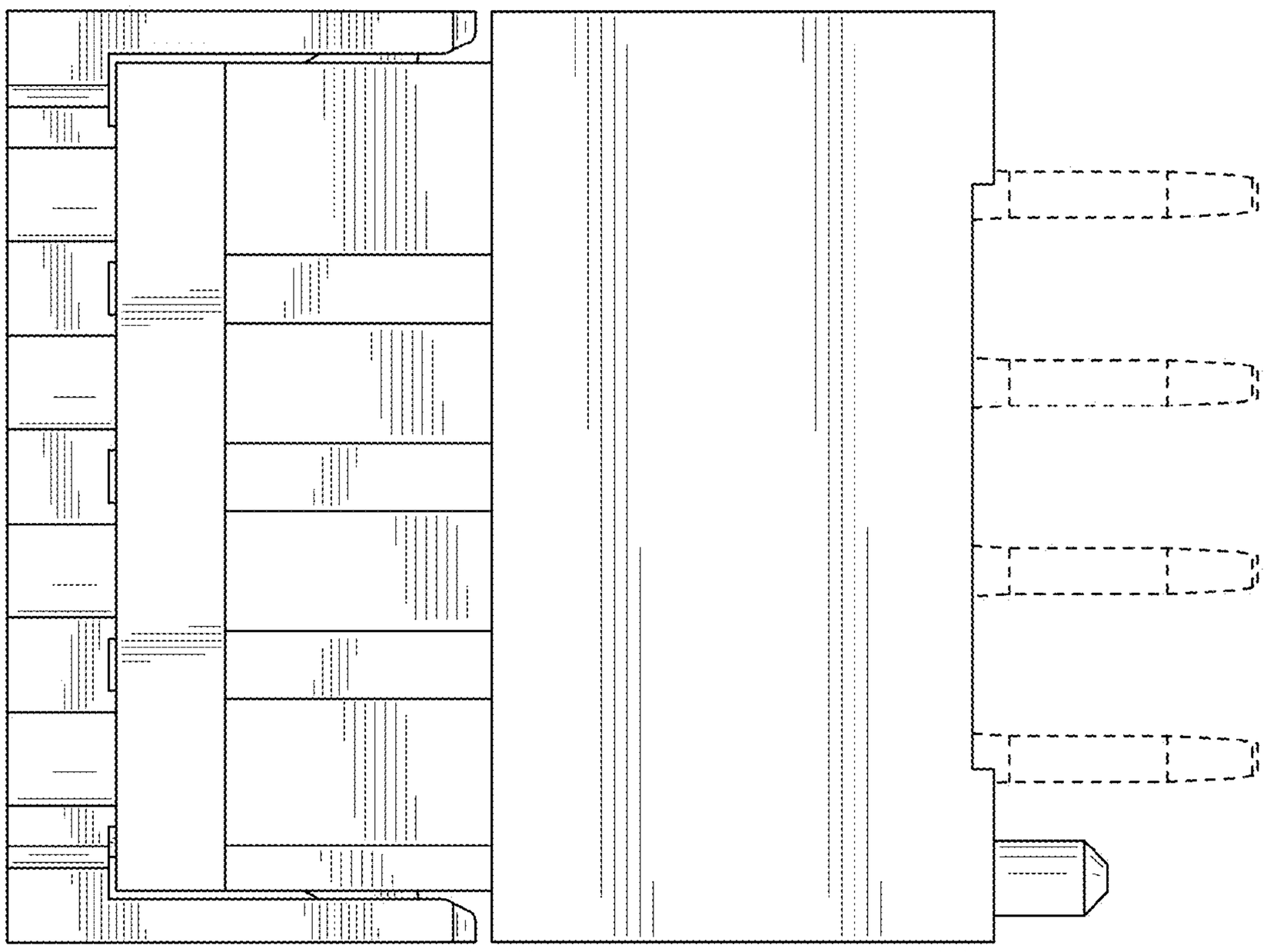


FIG. 40

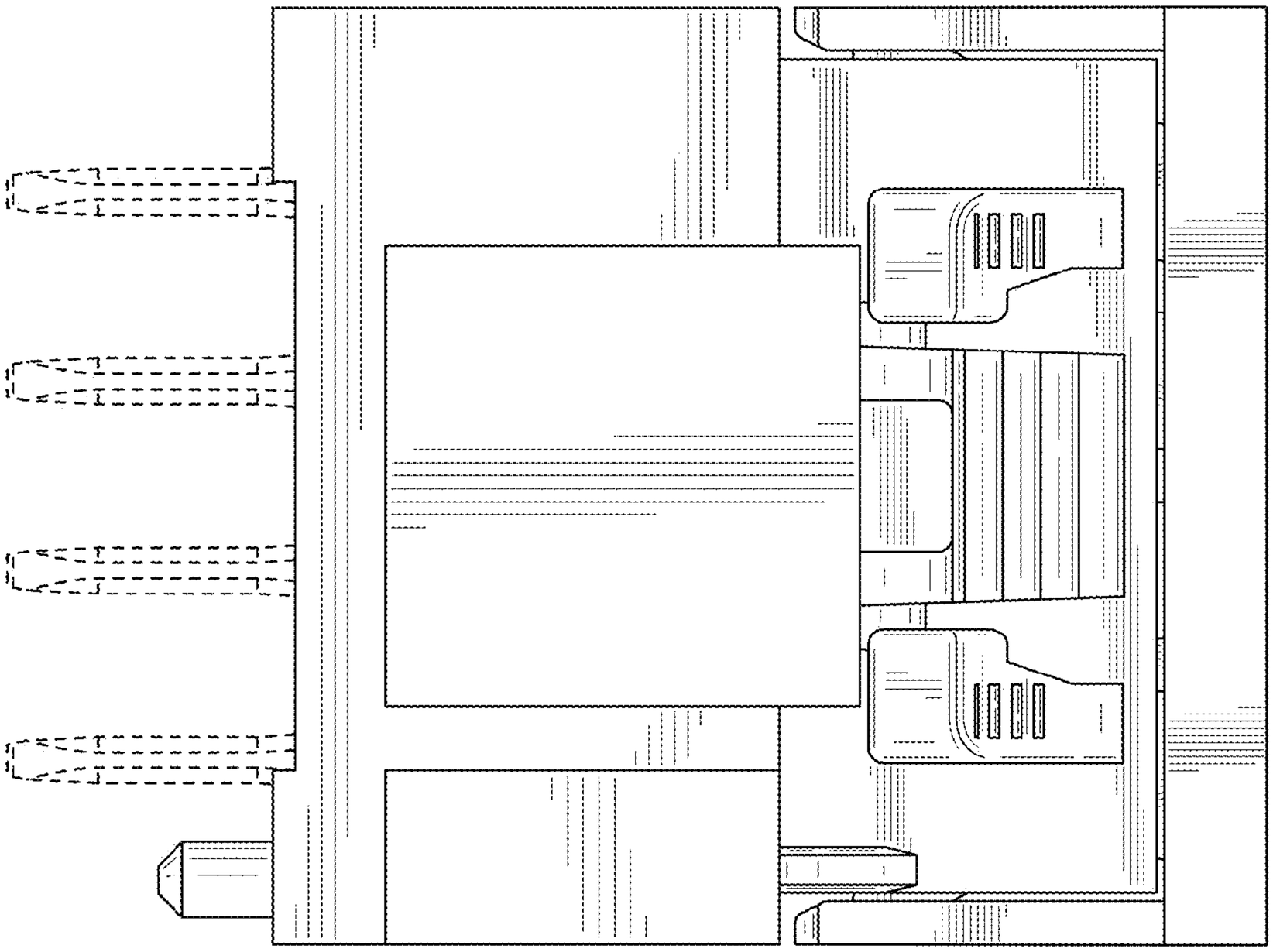


FIG. 39

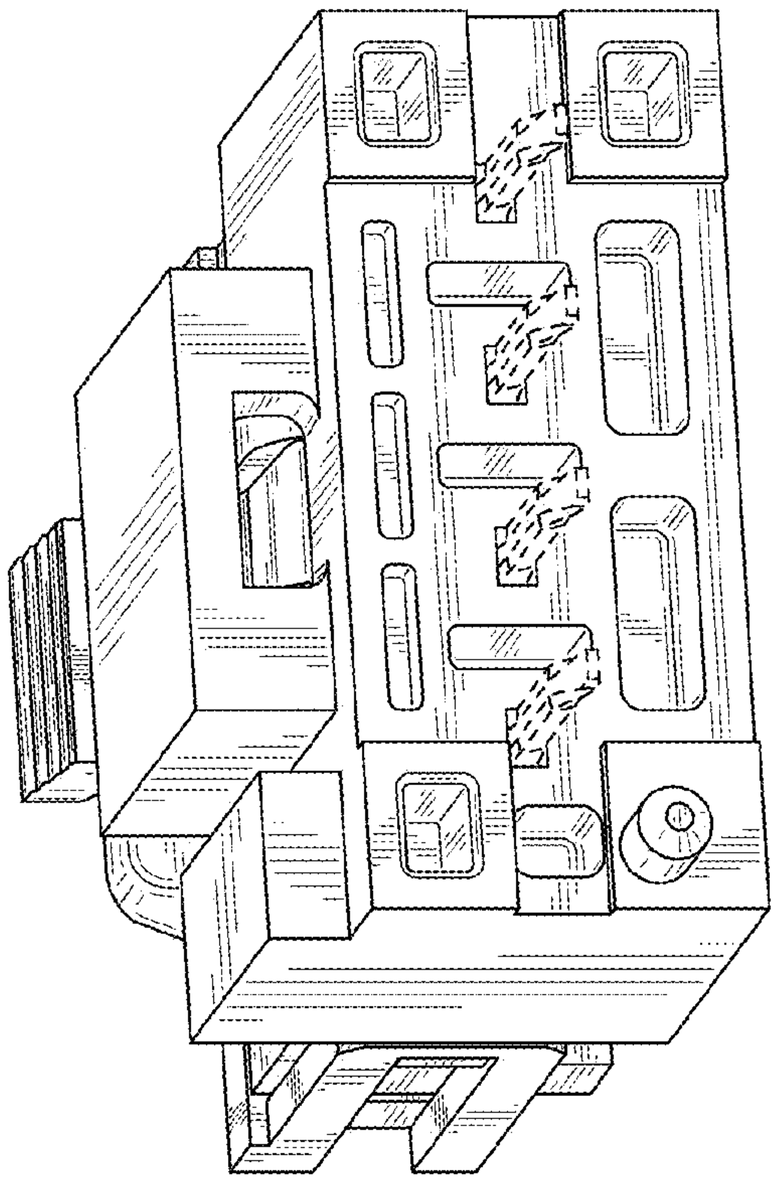


FIG. 42

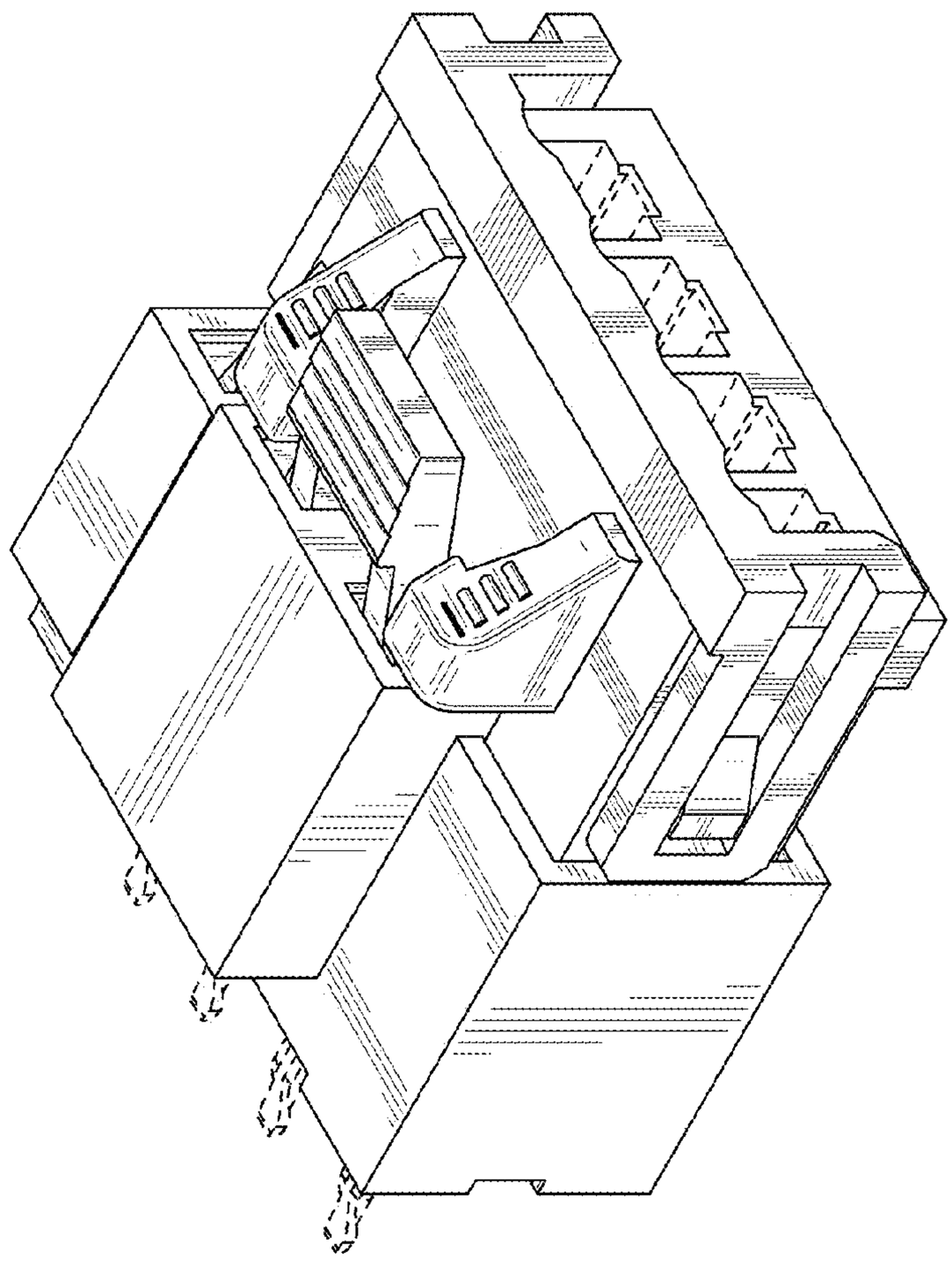


FIG. 41

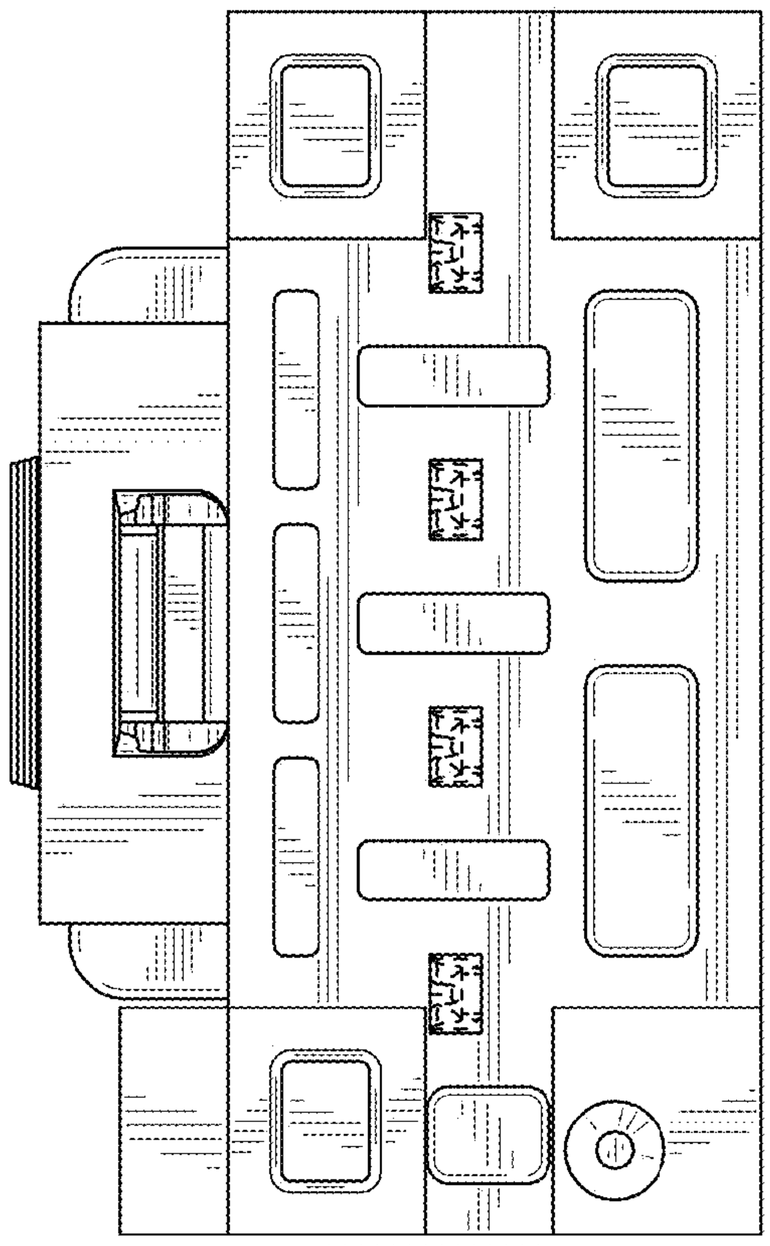


FIG. 44

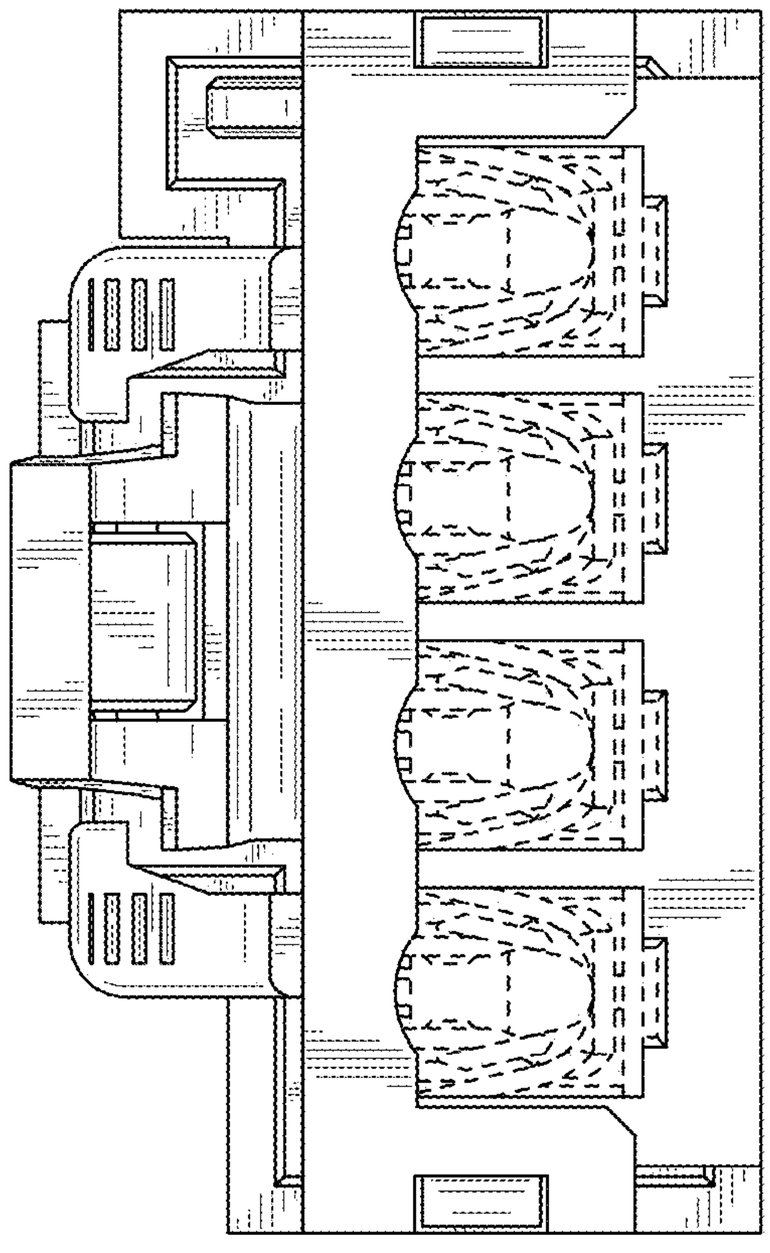


FIG. 43

FIG. 45

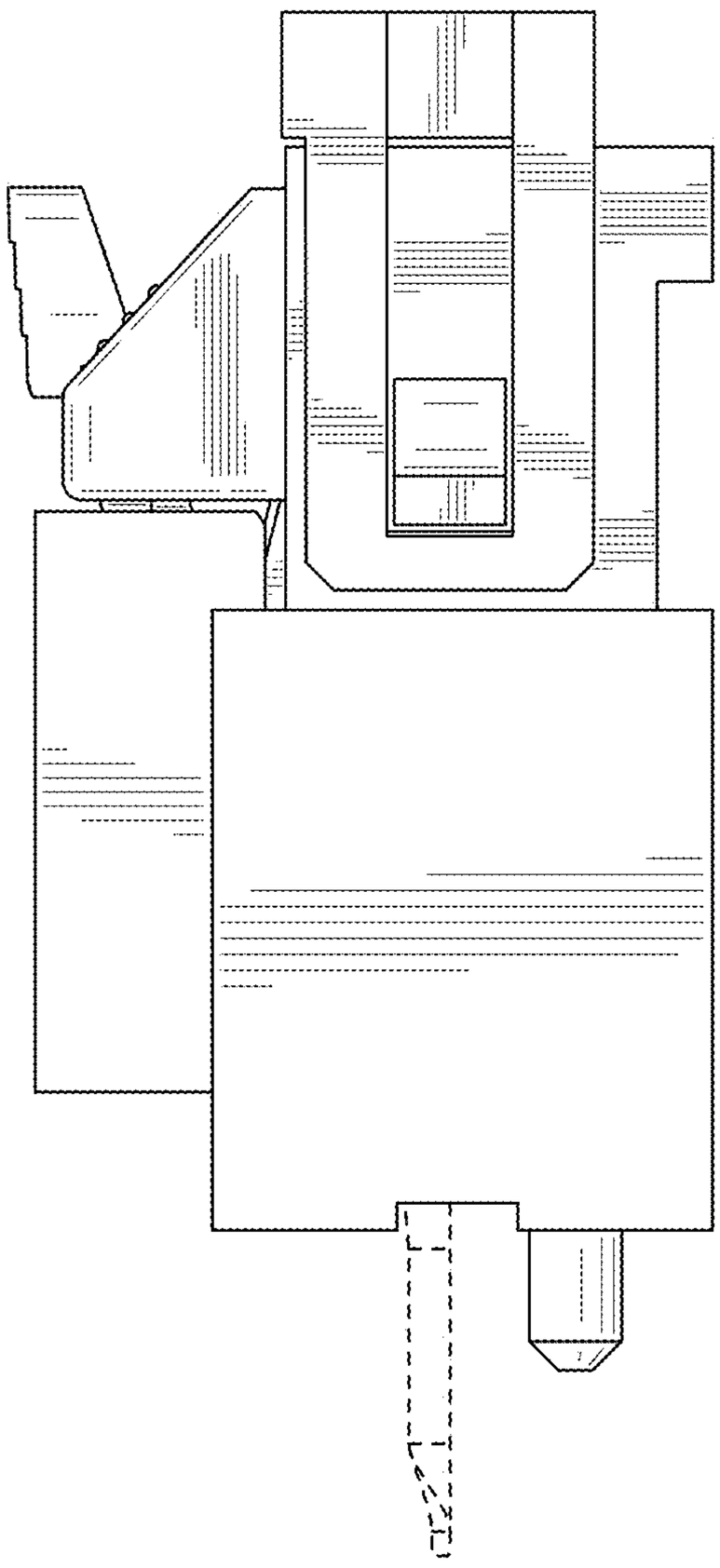
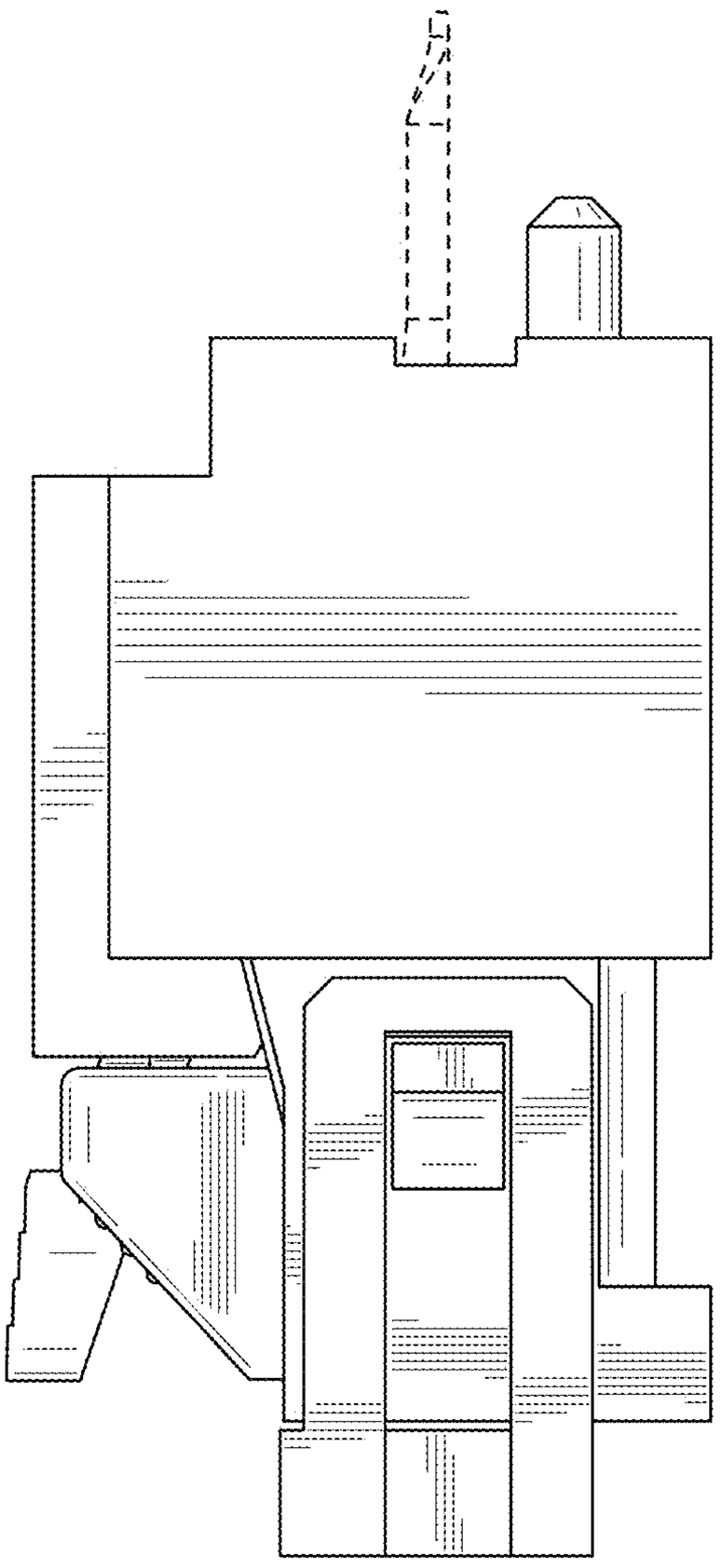


FIG. 46



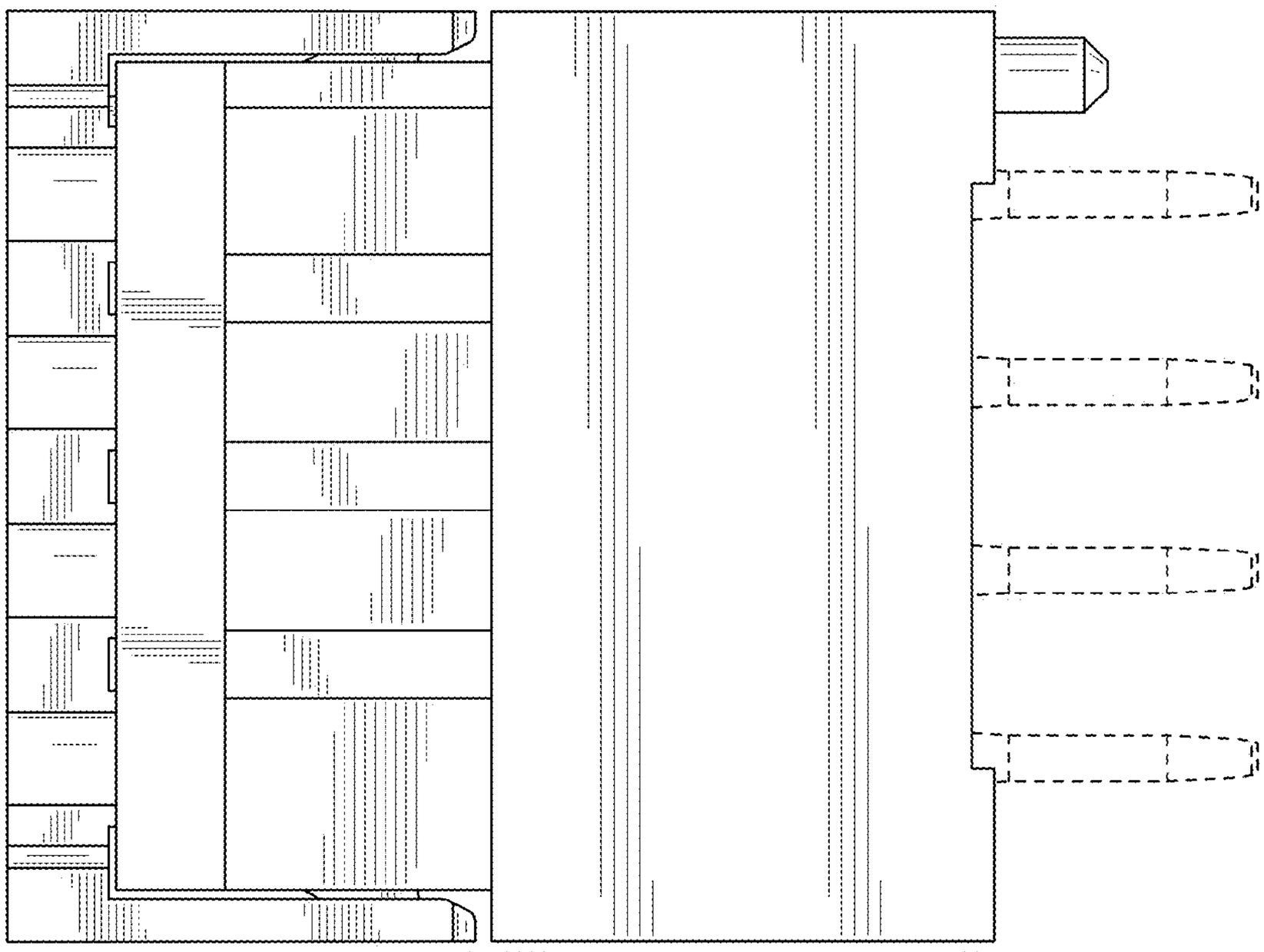


FIG. 48

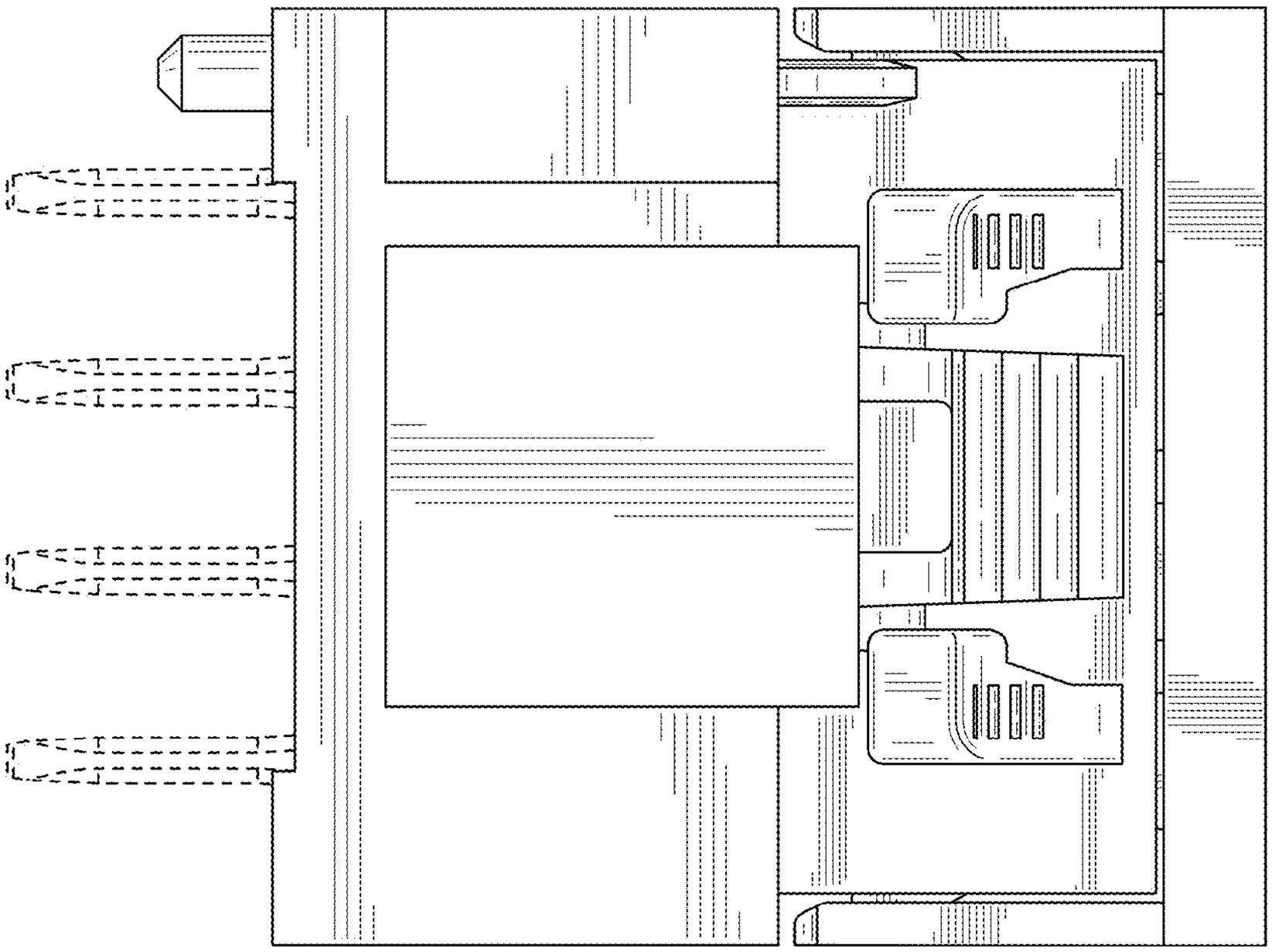


FIG. 47

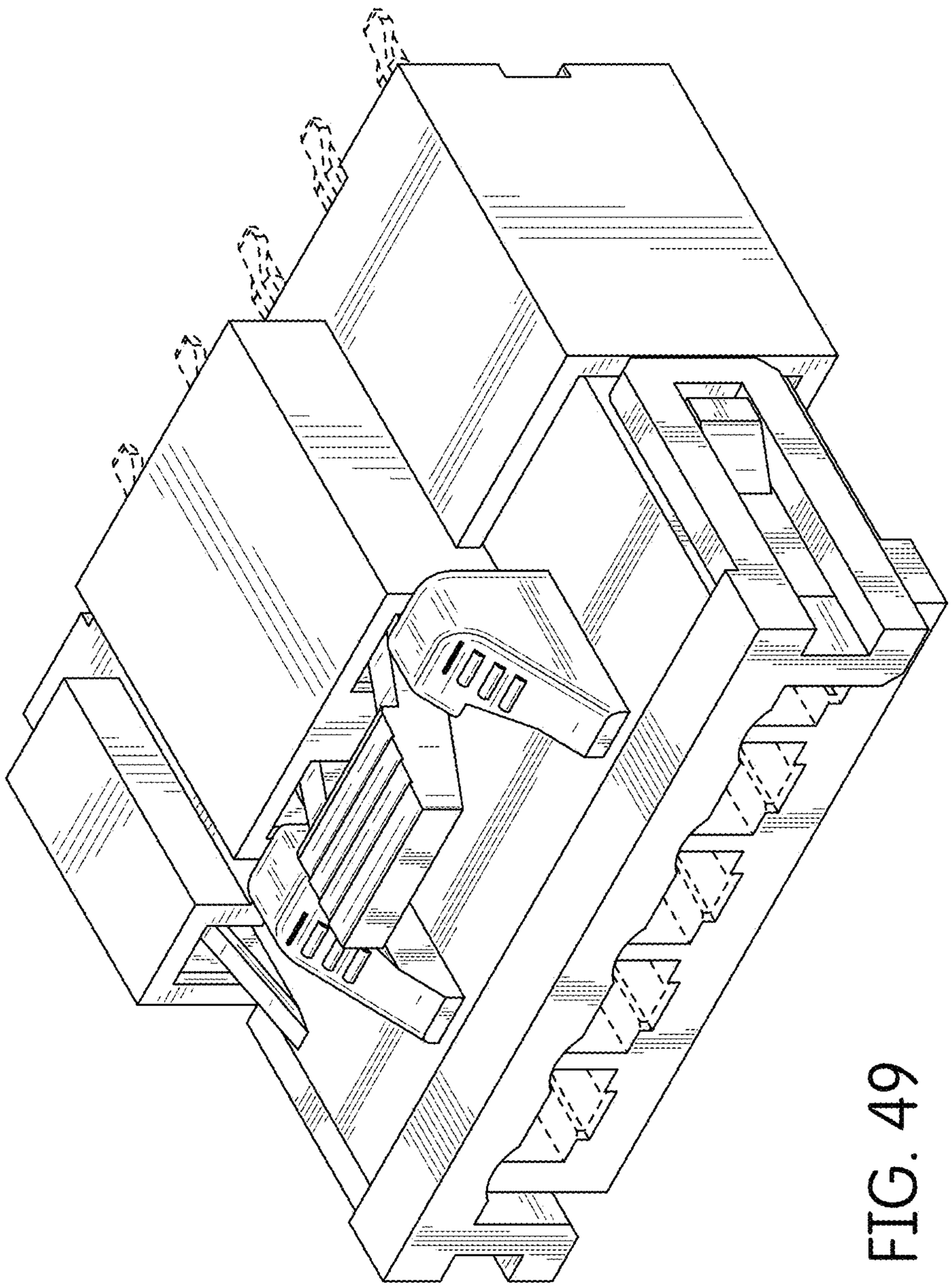


FIG. 49

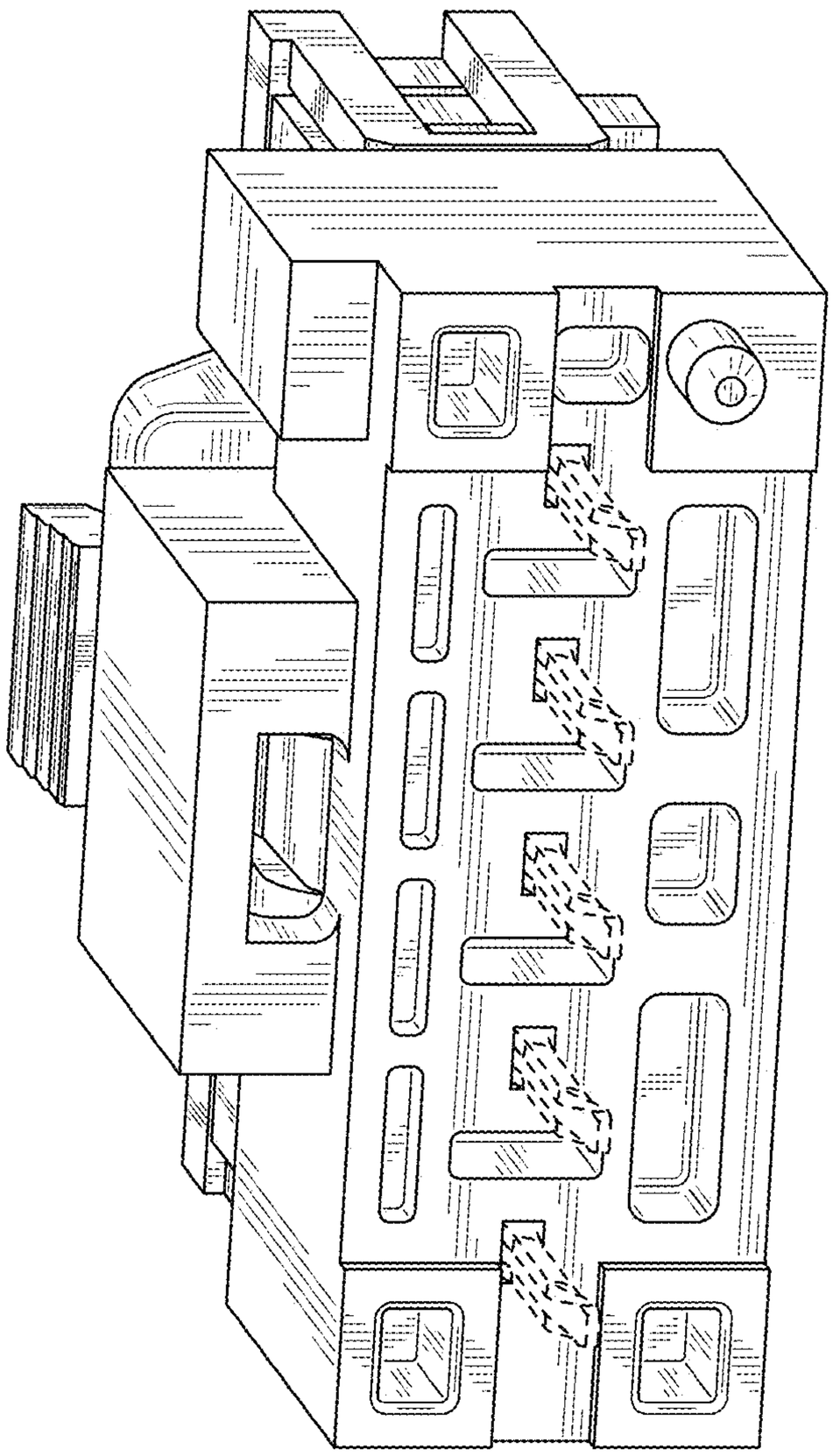


FIG. 50

FIG. 51

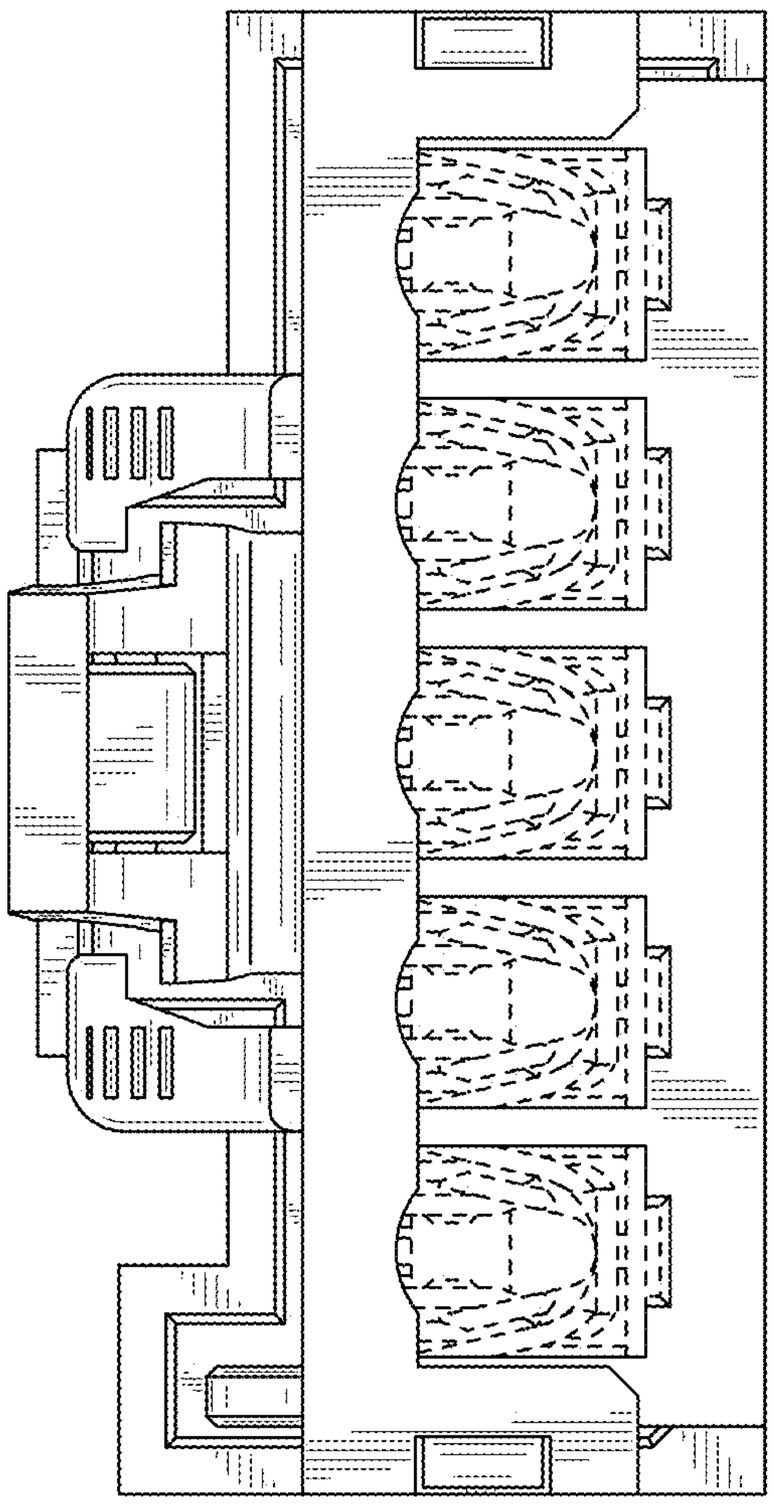


FIG. 52

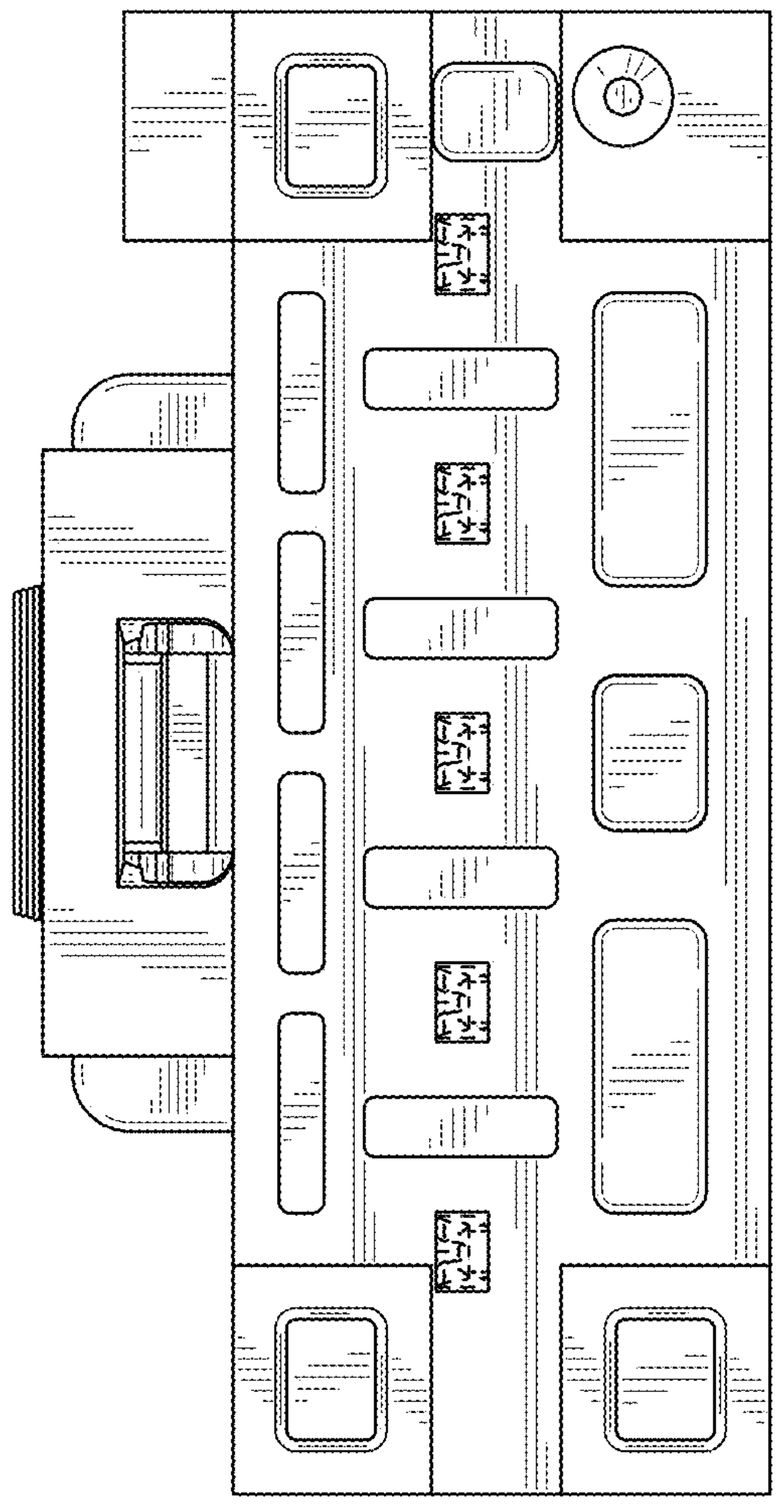


FIG. 53

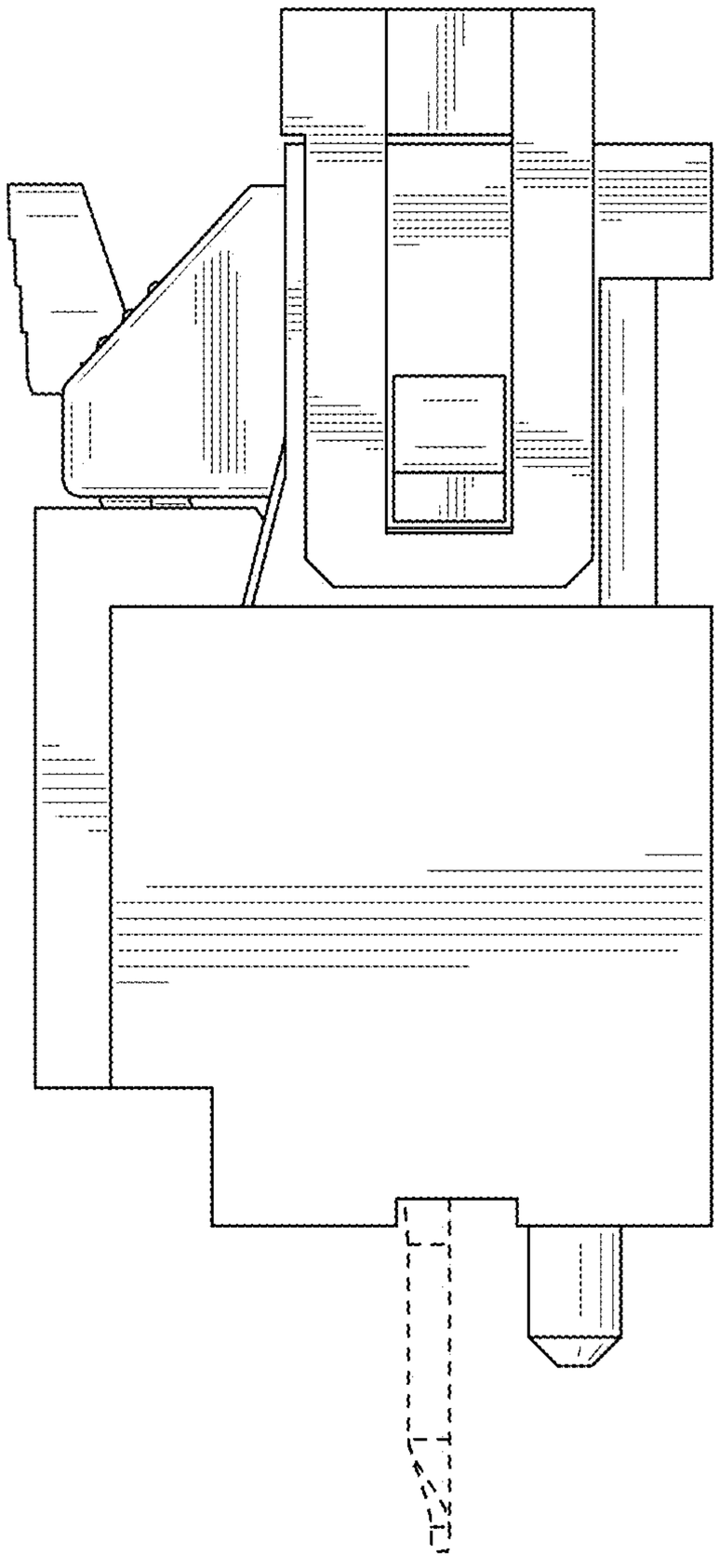


FIG. 54

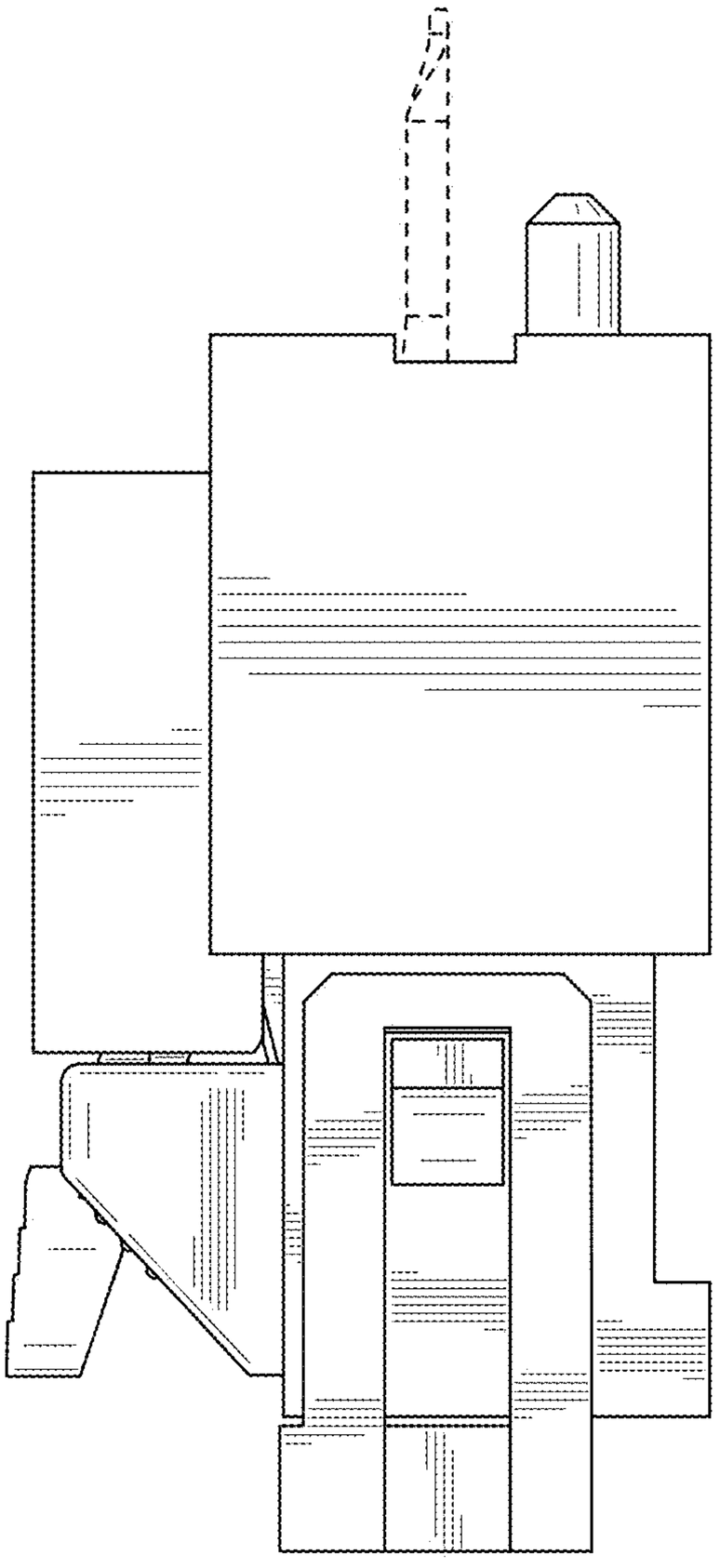


FIG. 55

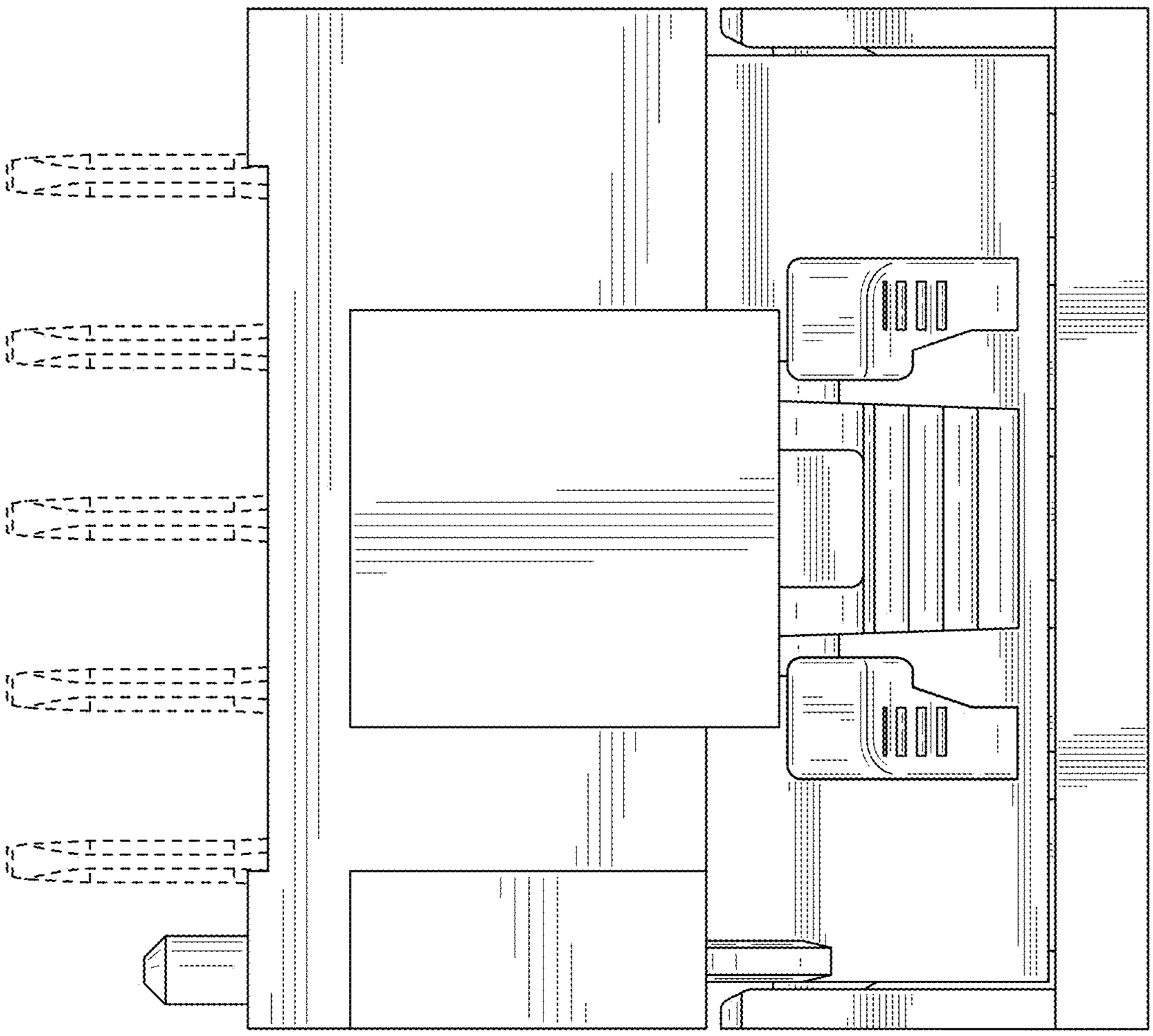
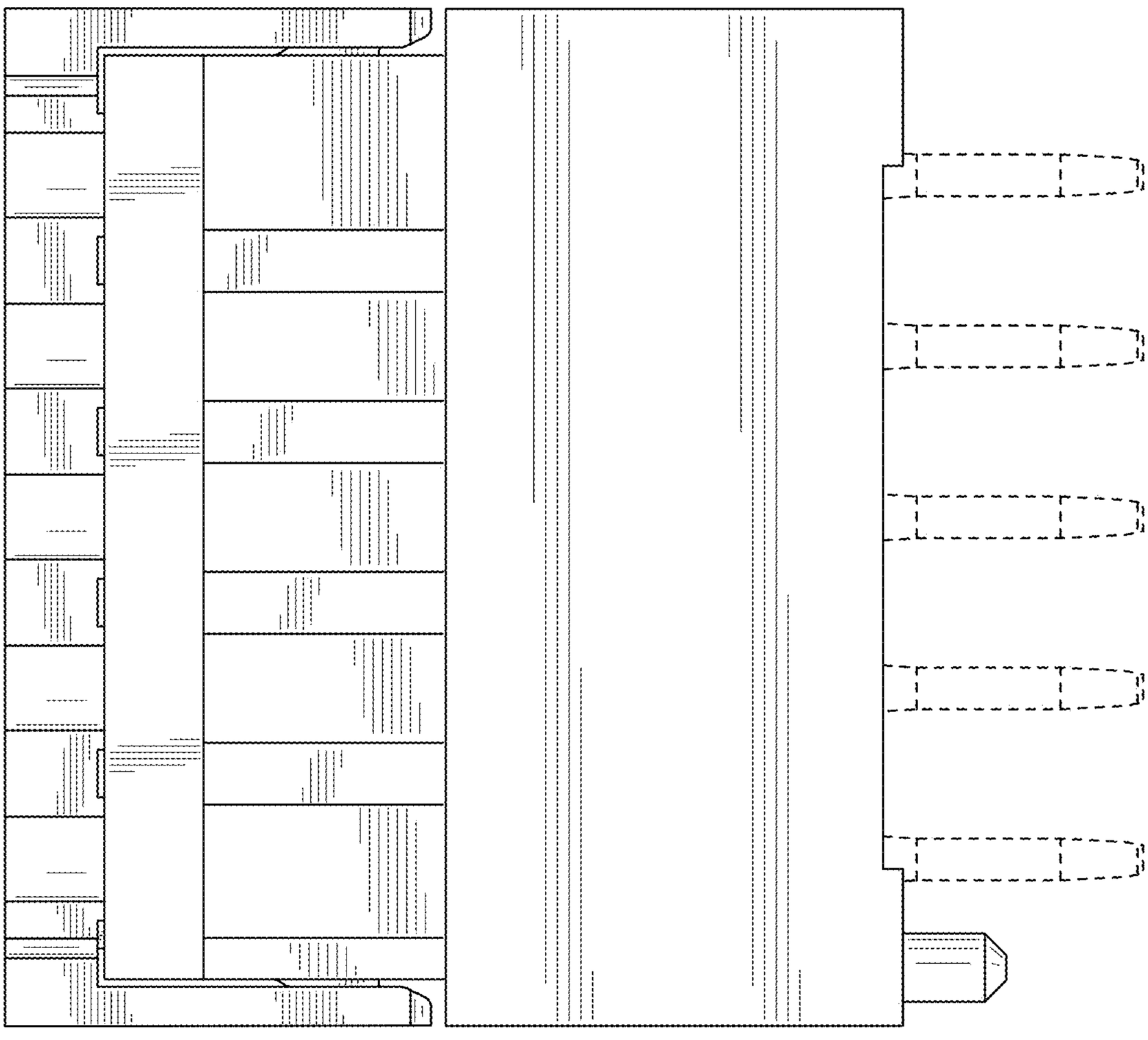


FIG. 56



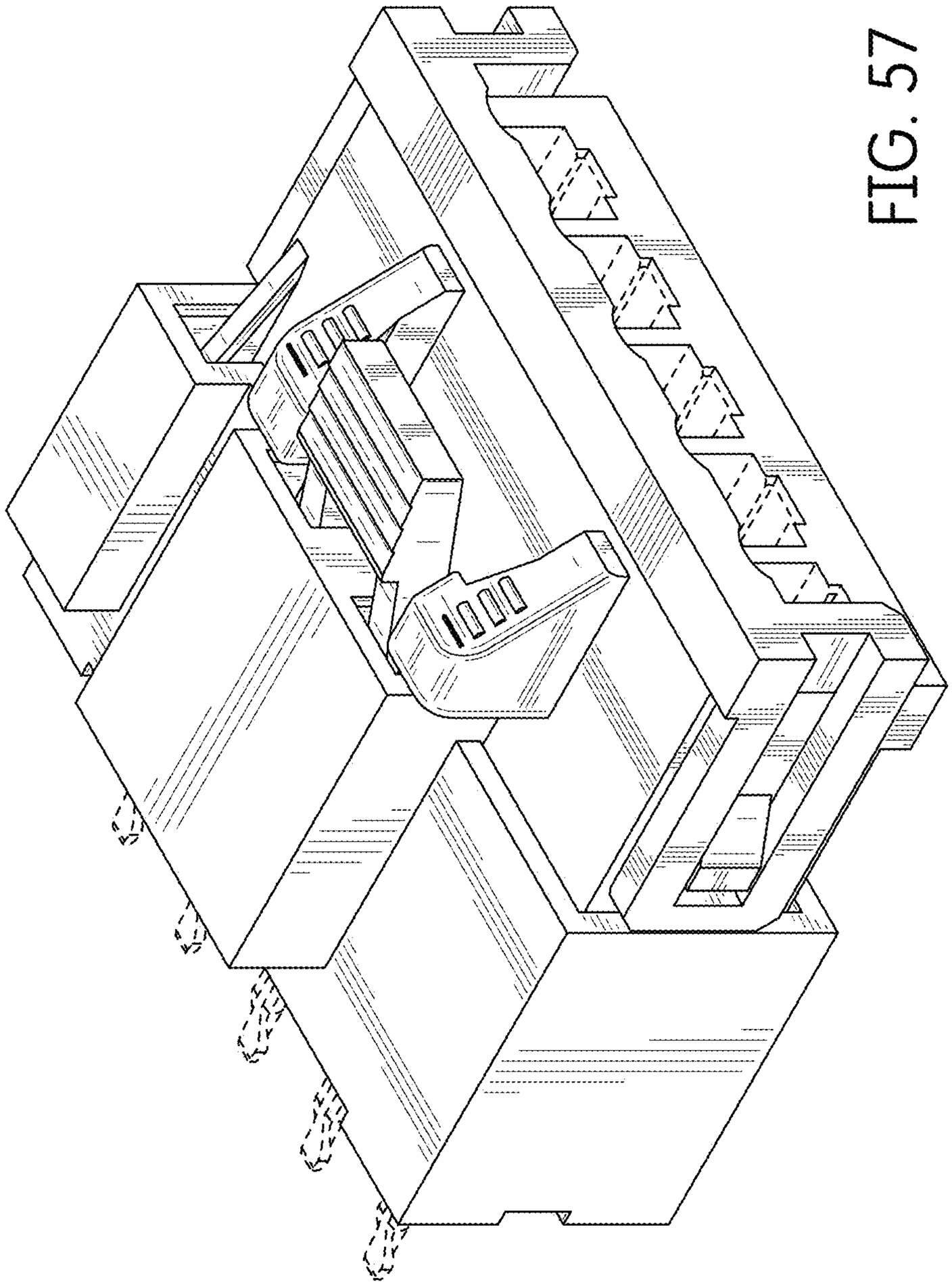


FIG. 57

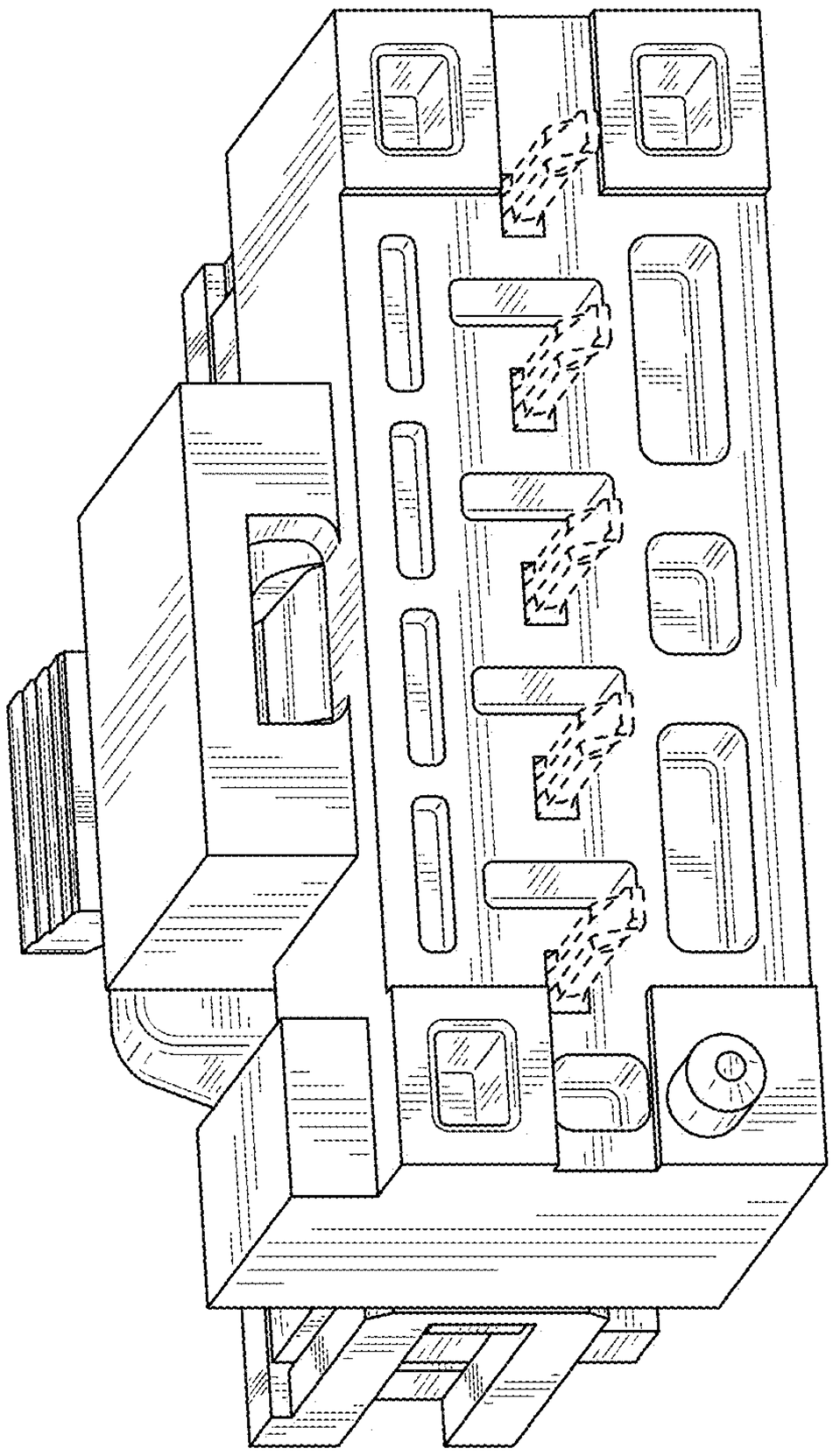


FIG. 58

FIG. 59

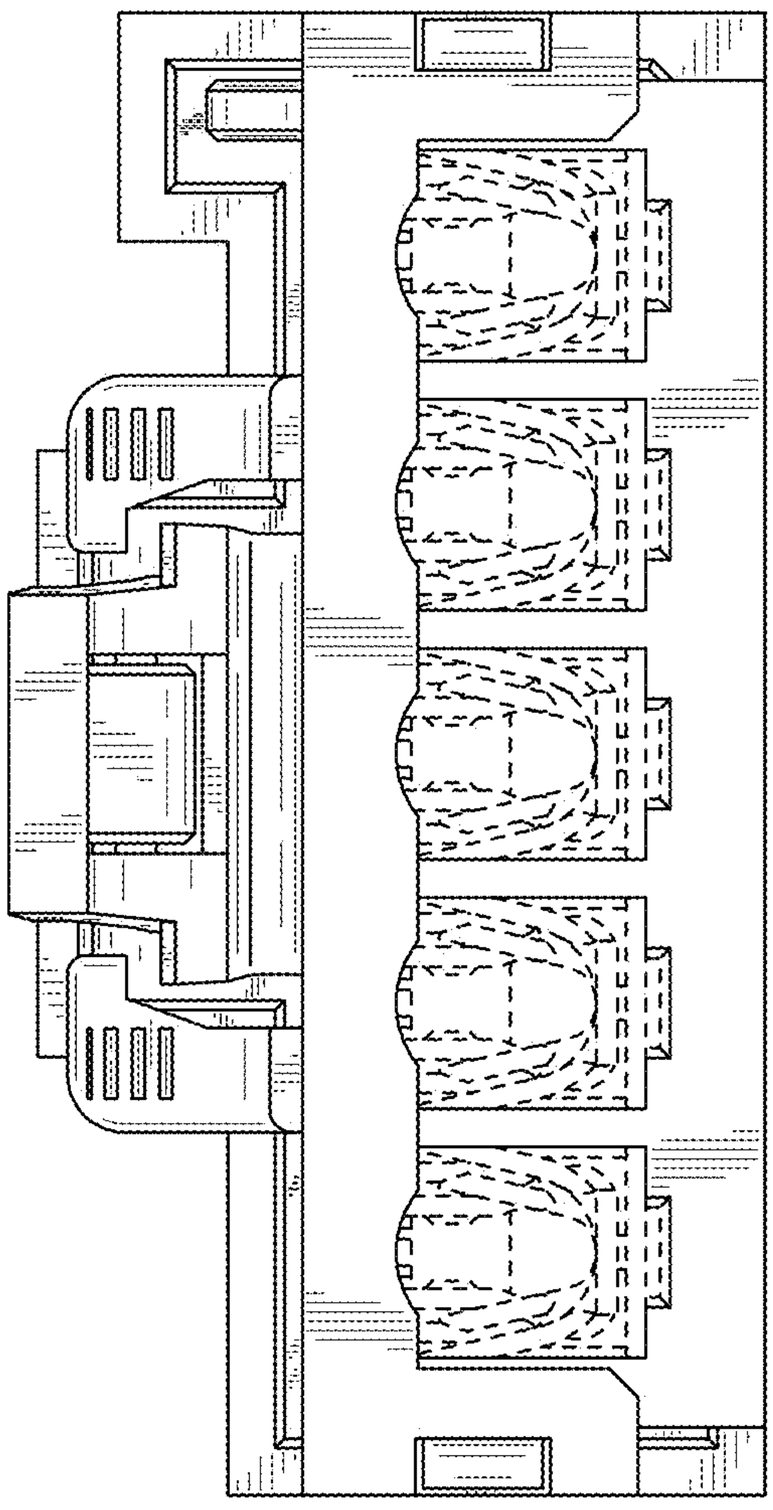


FIG. 60

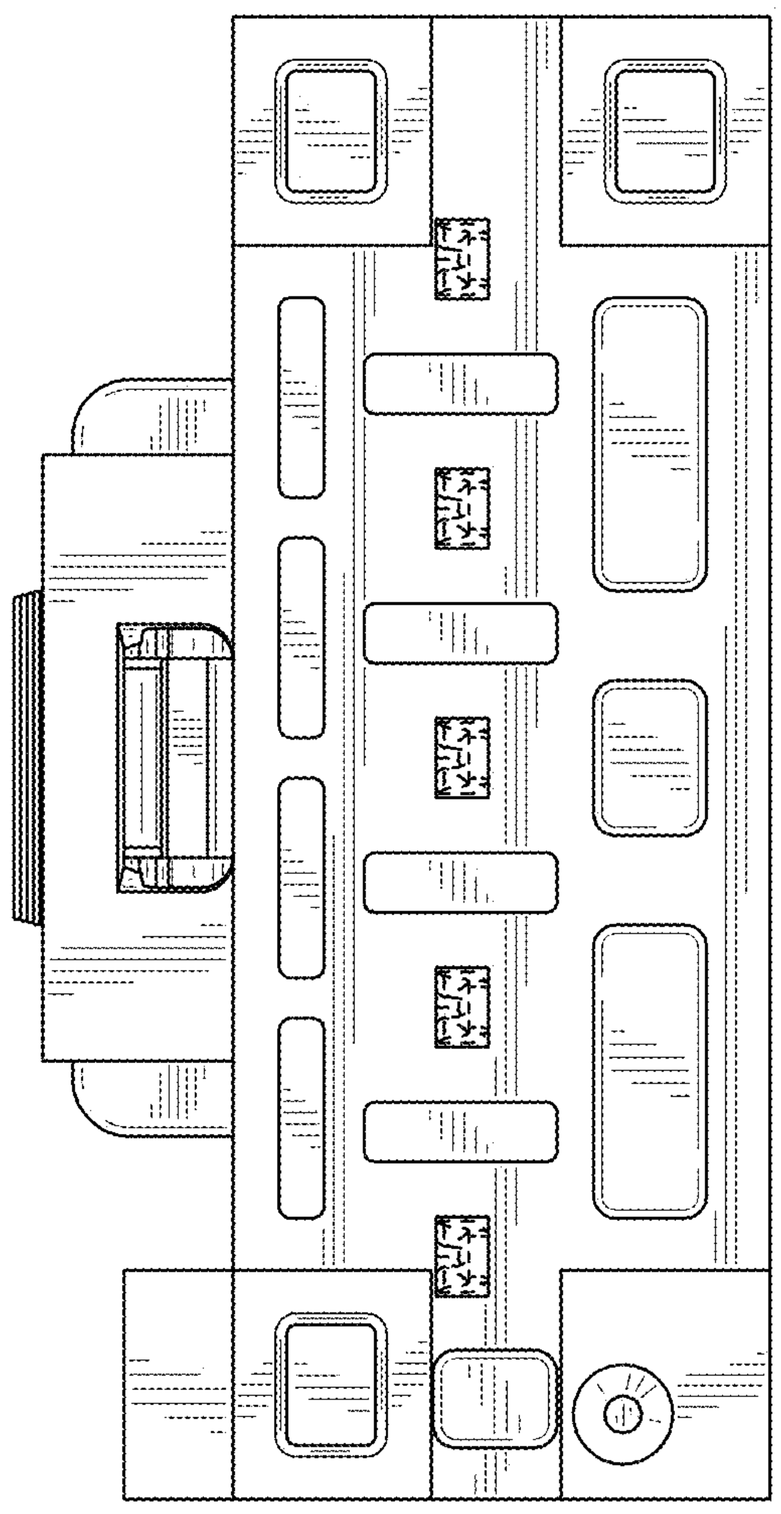


FIG. 61

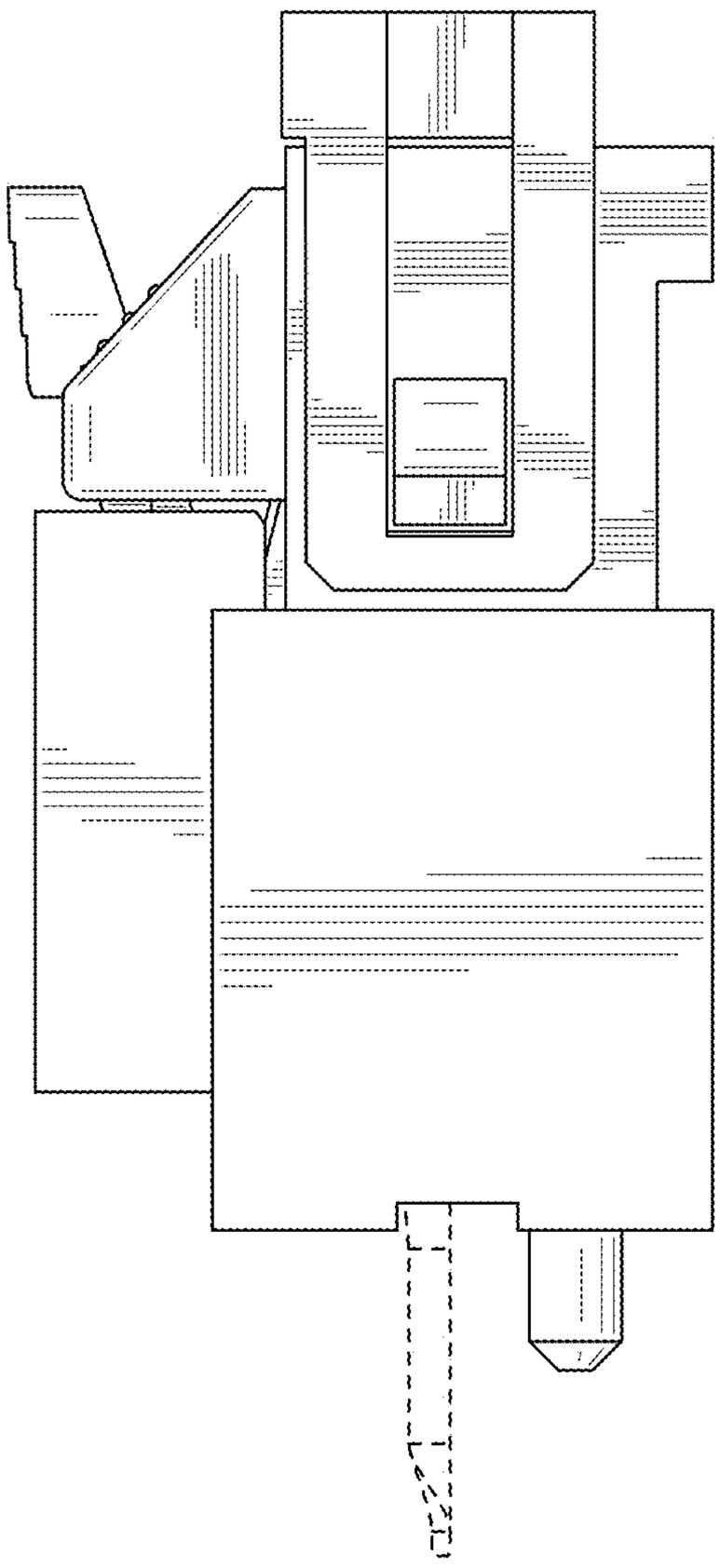


FIG. 62

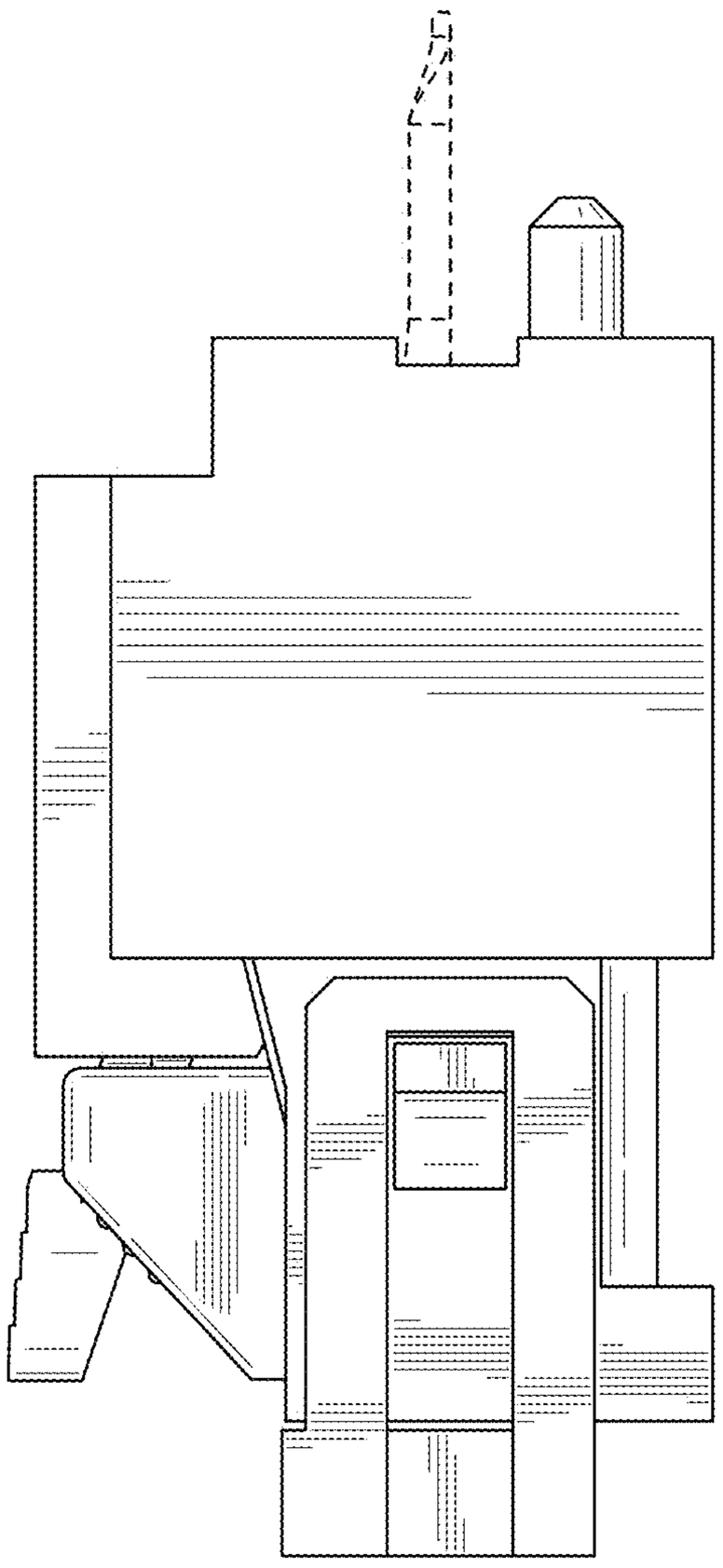


FIG. 63

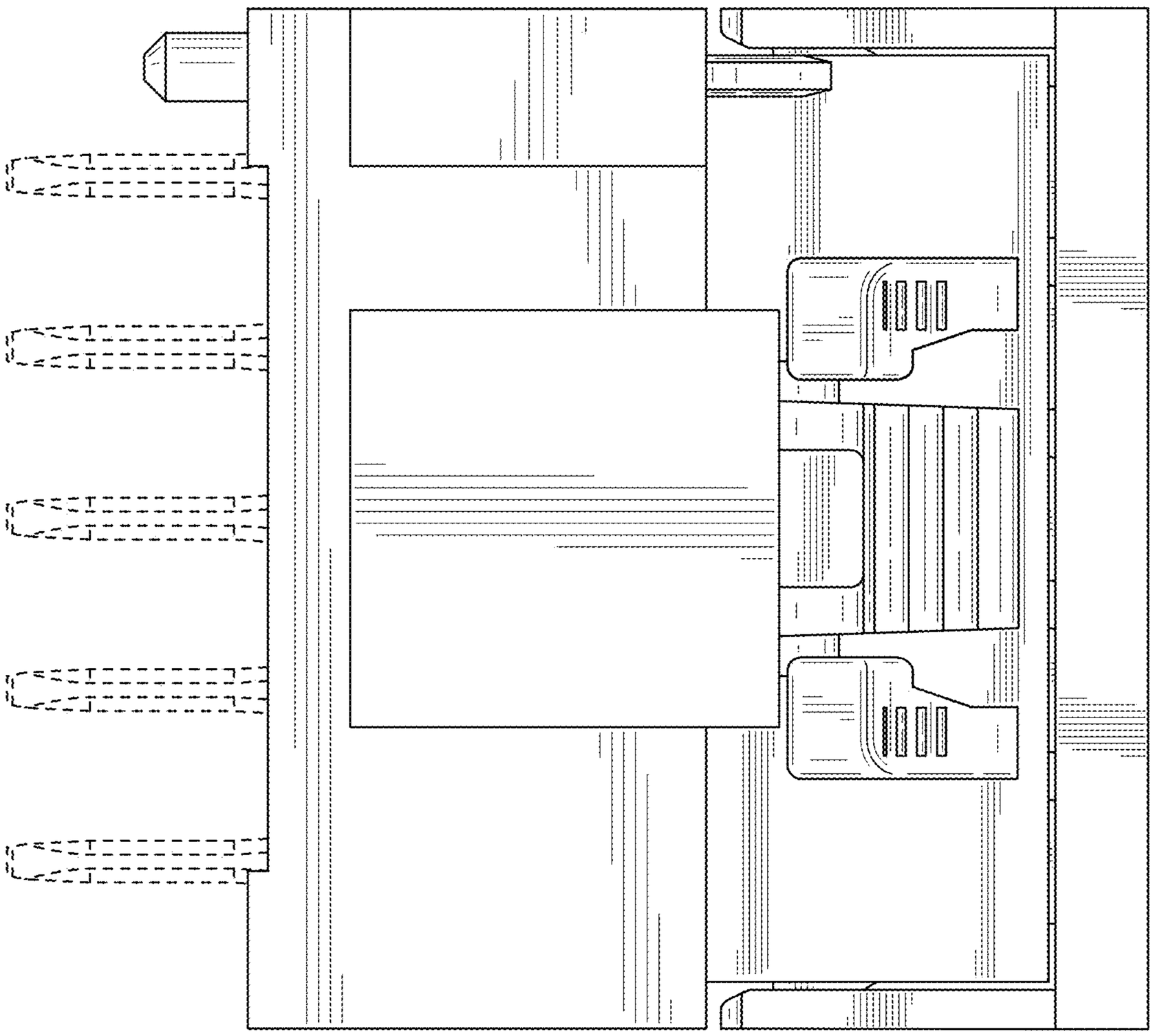
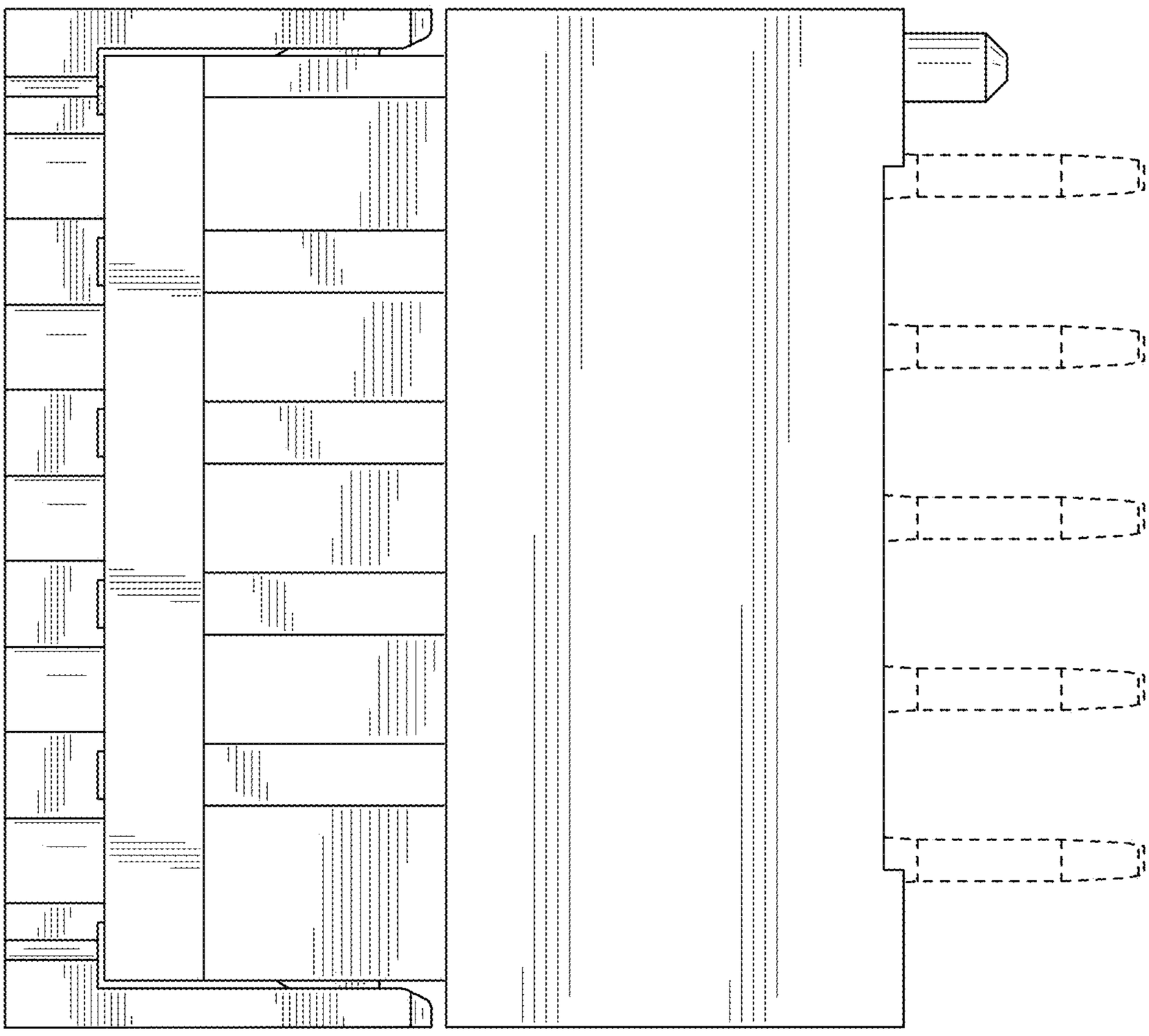


FIG. 64



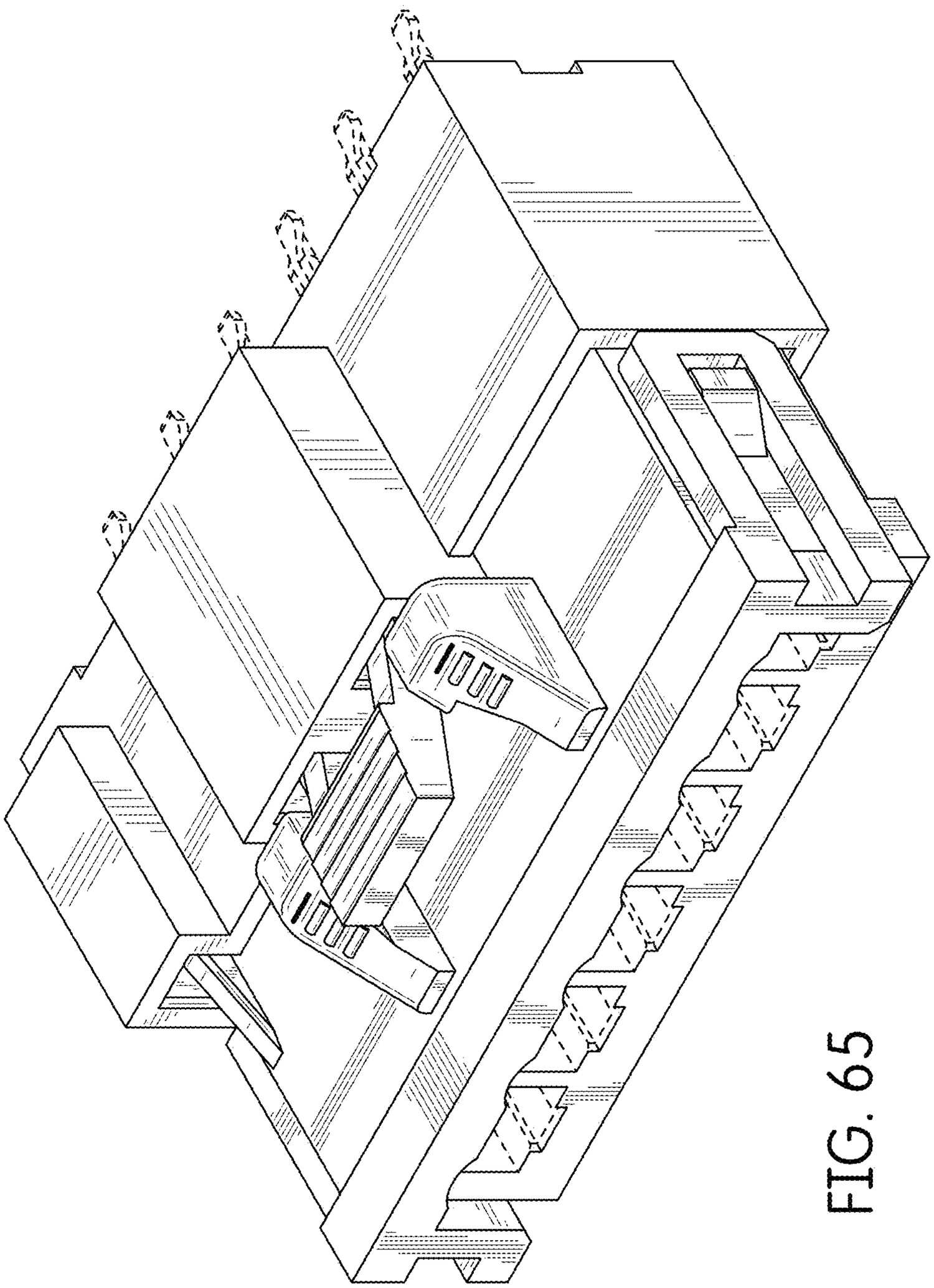


FIG. 65

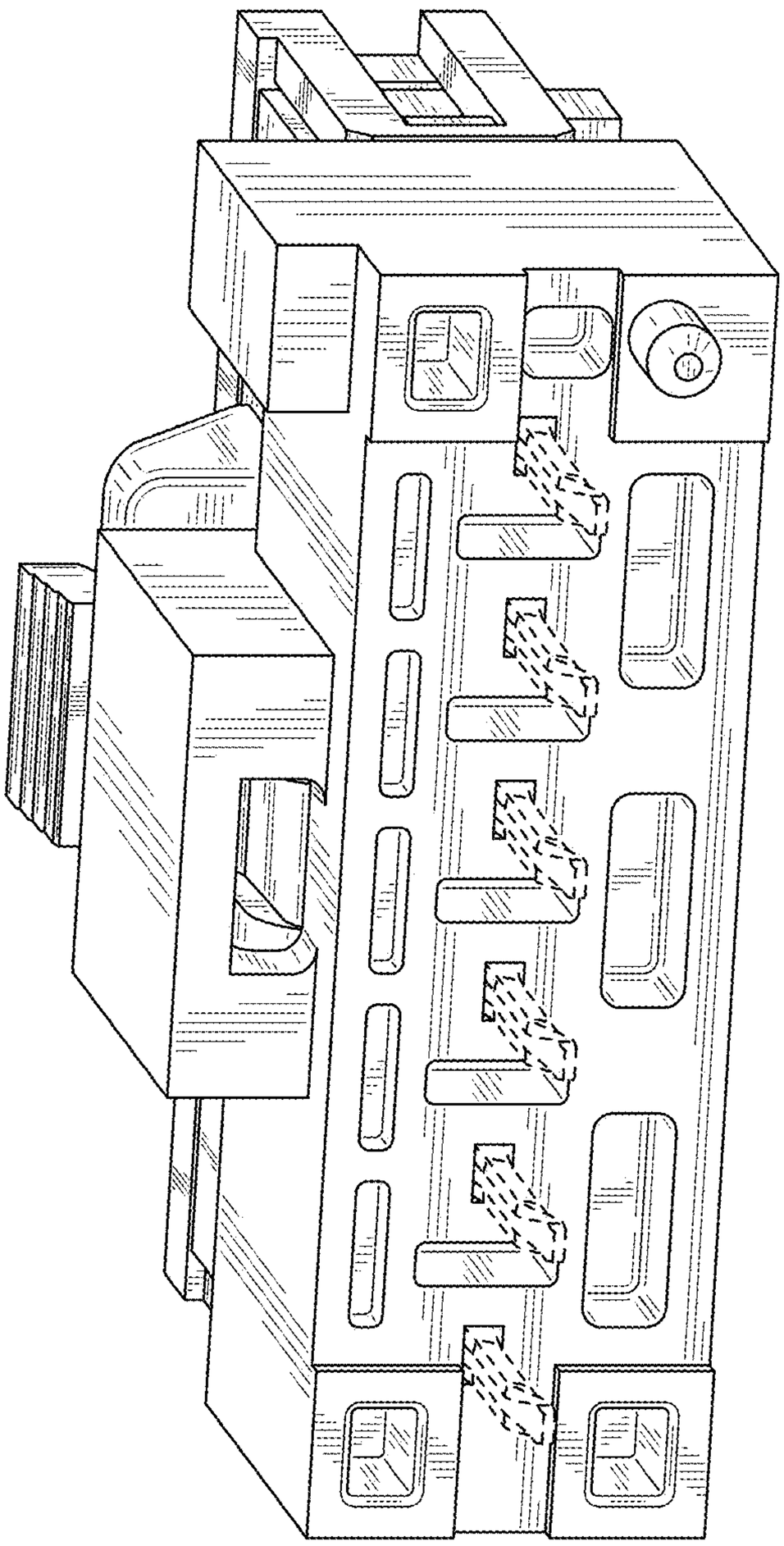


FIG. 66

FIG. 67

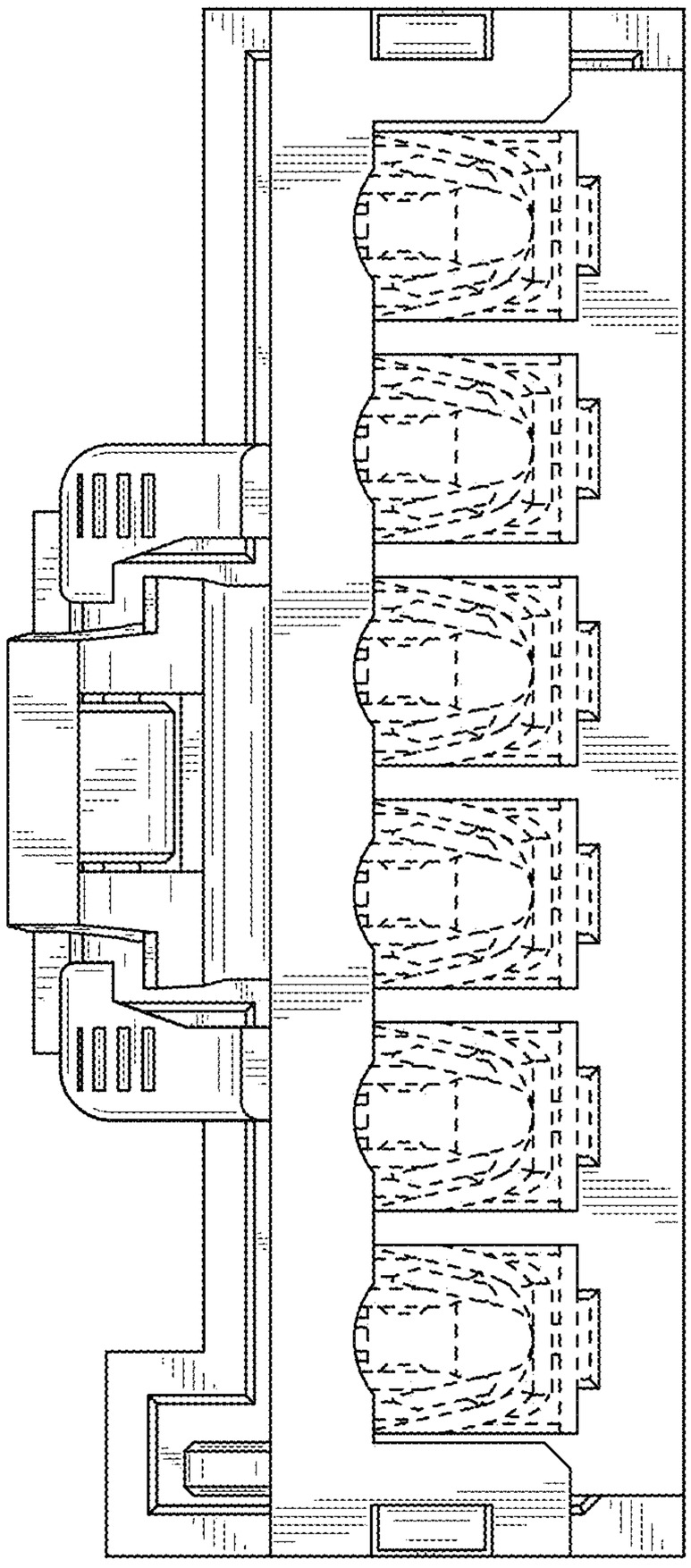


FIG. 68

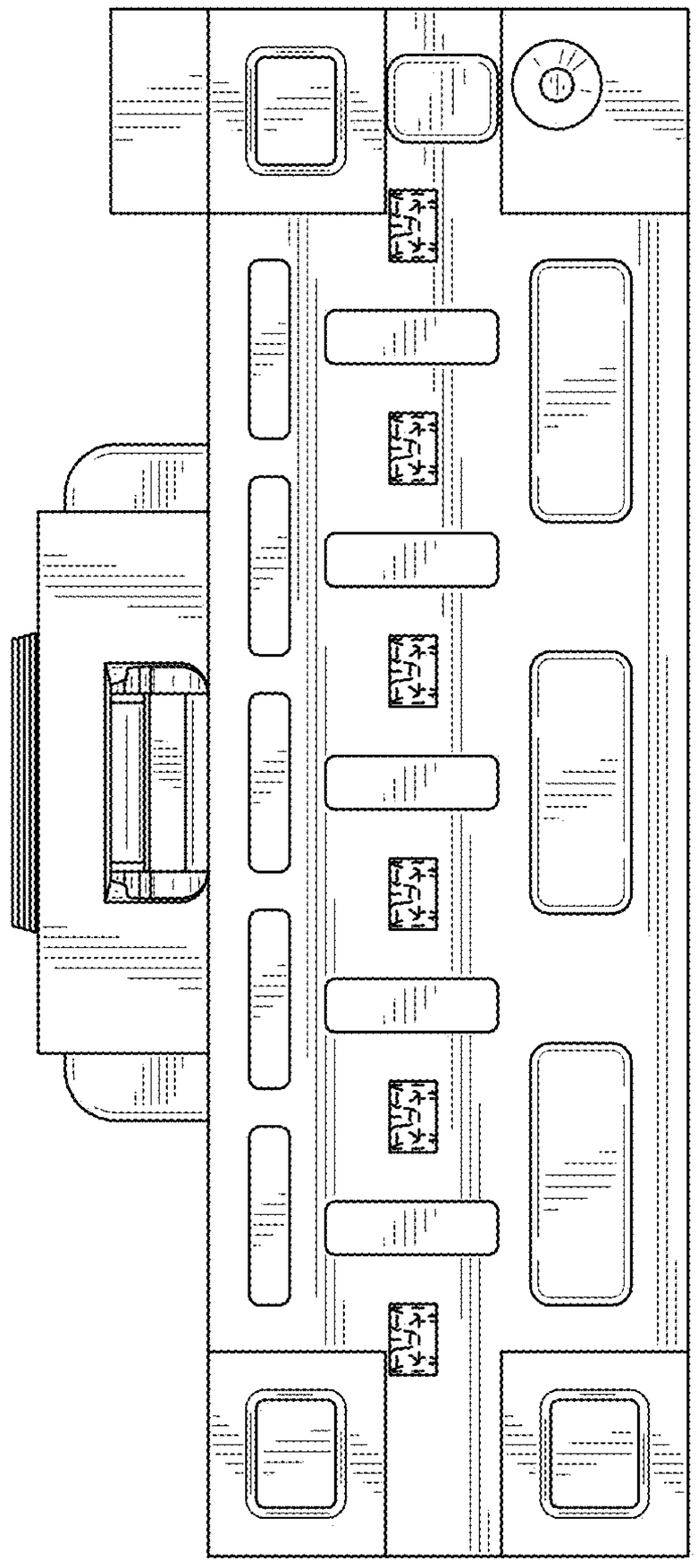


FIG. 69

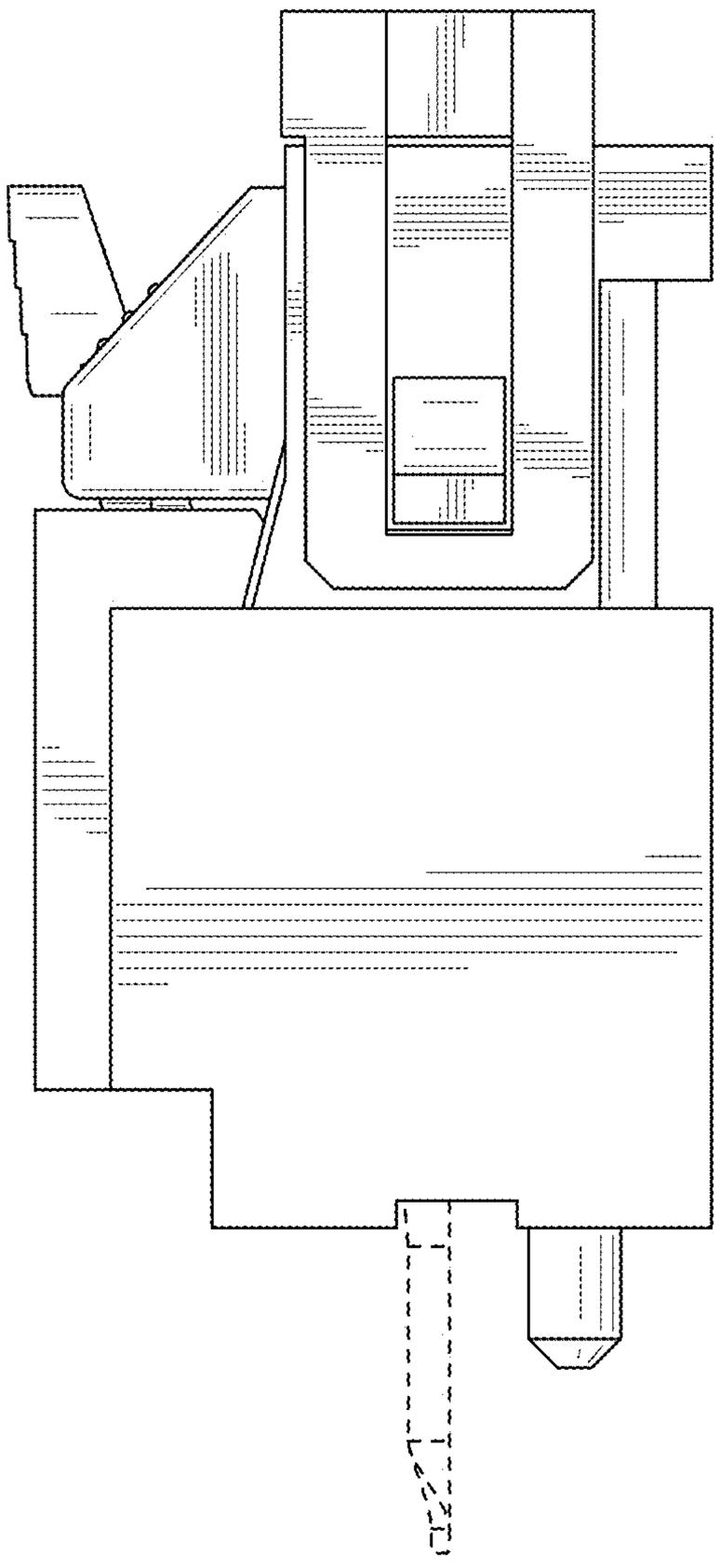


FIG. 70

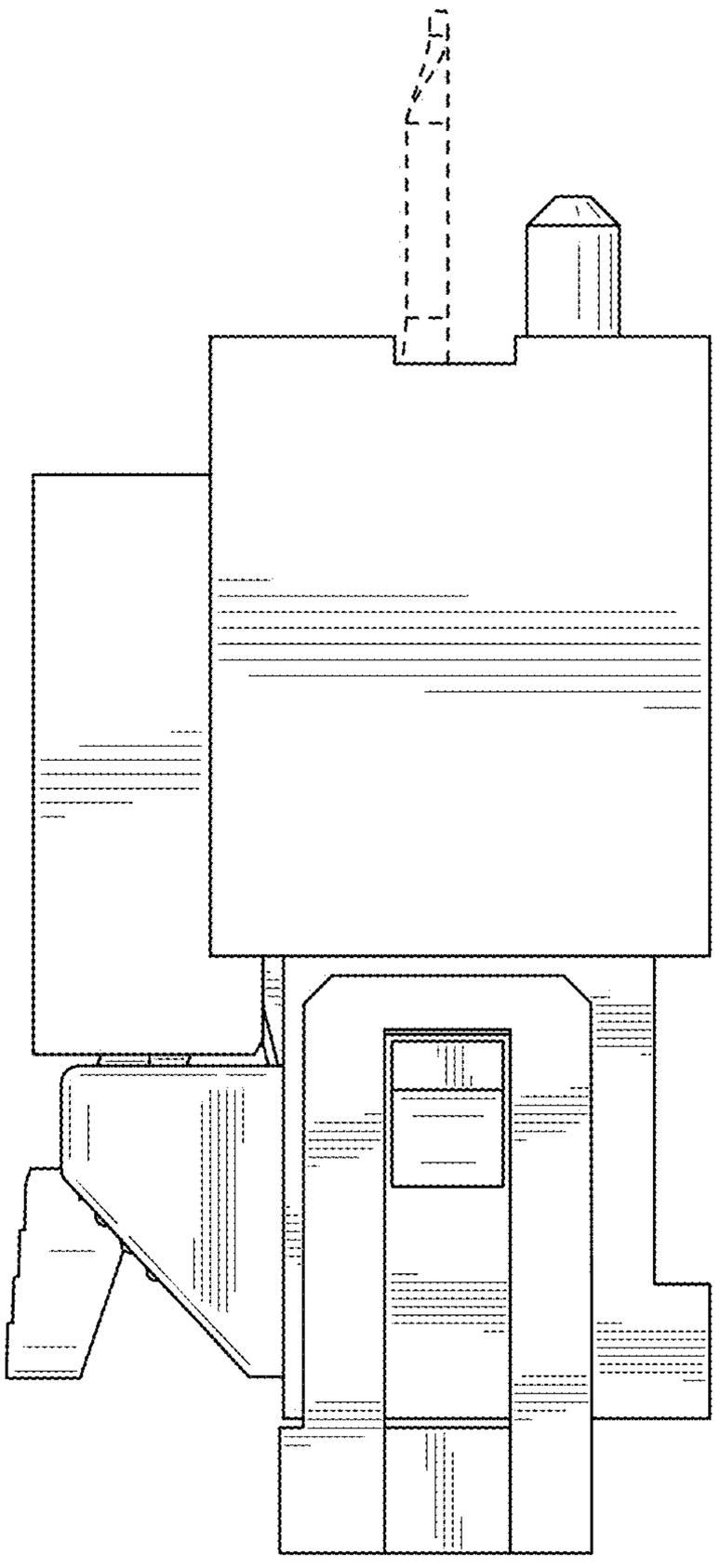


FIG. 71

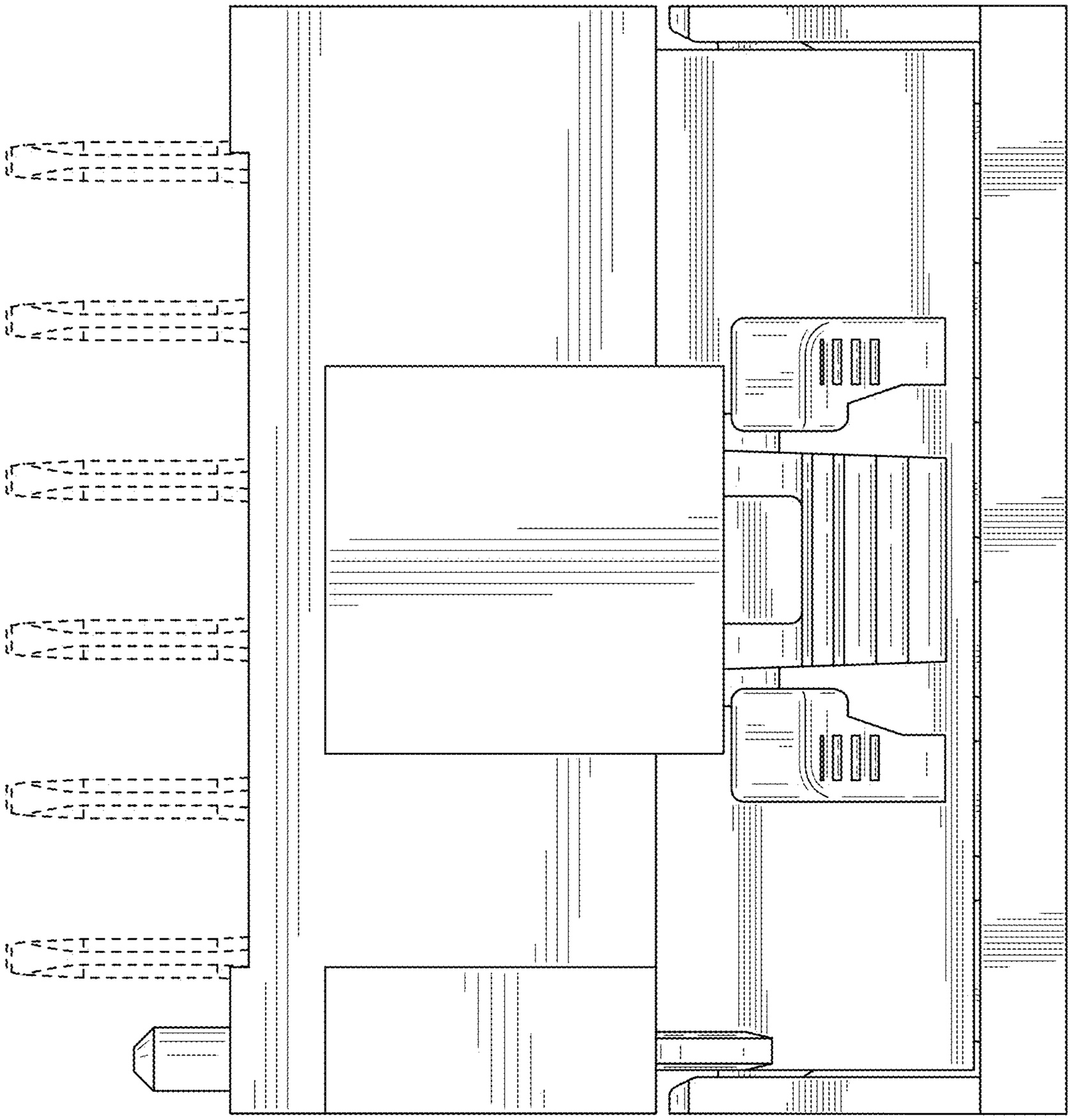
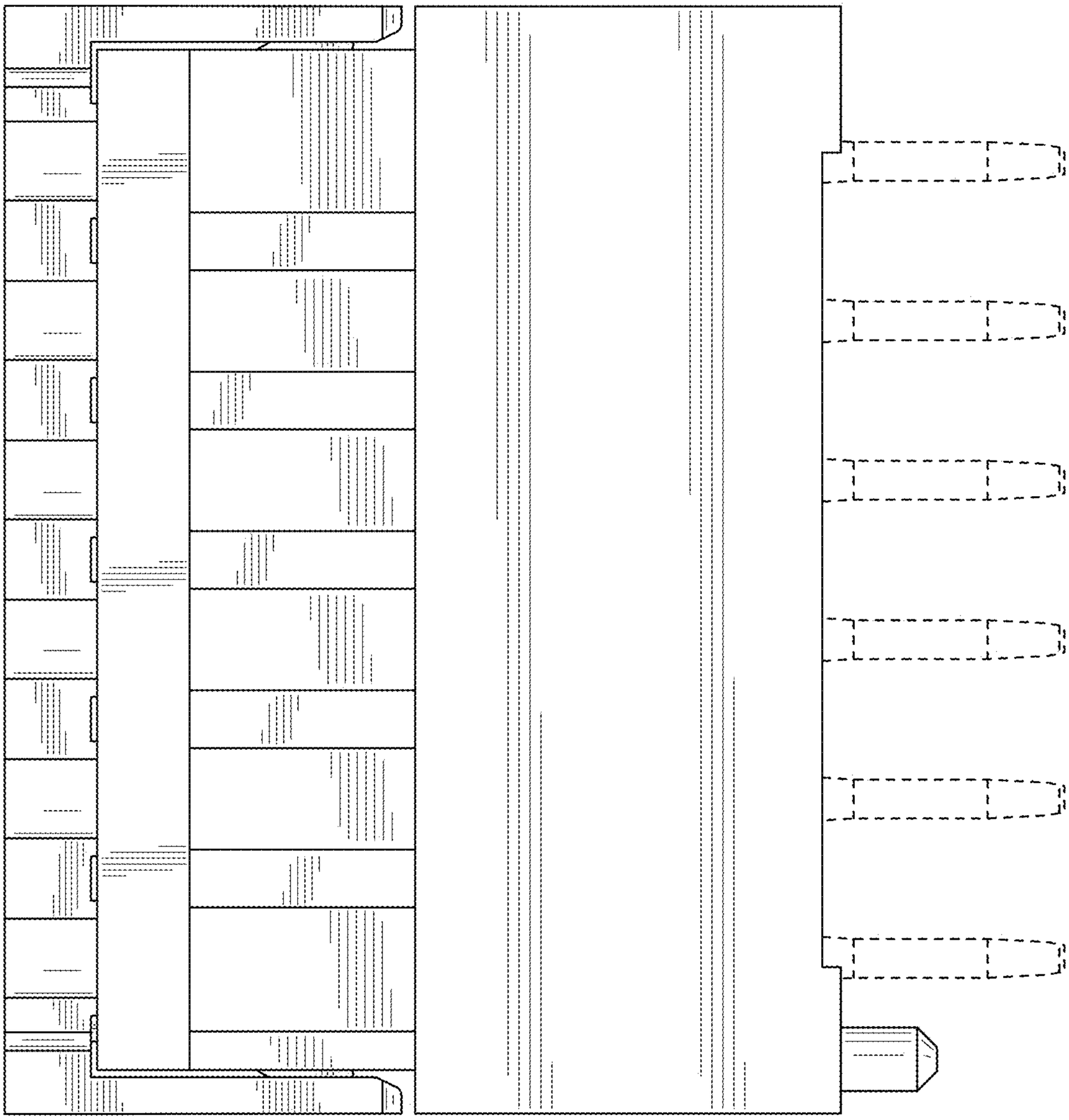


FIG. 72



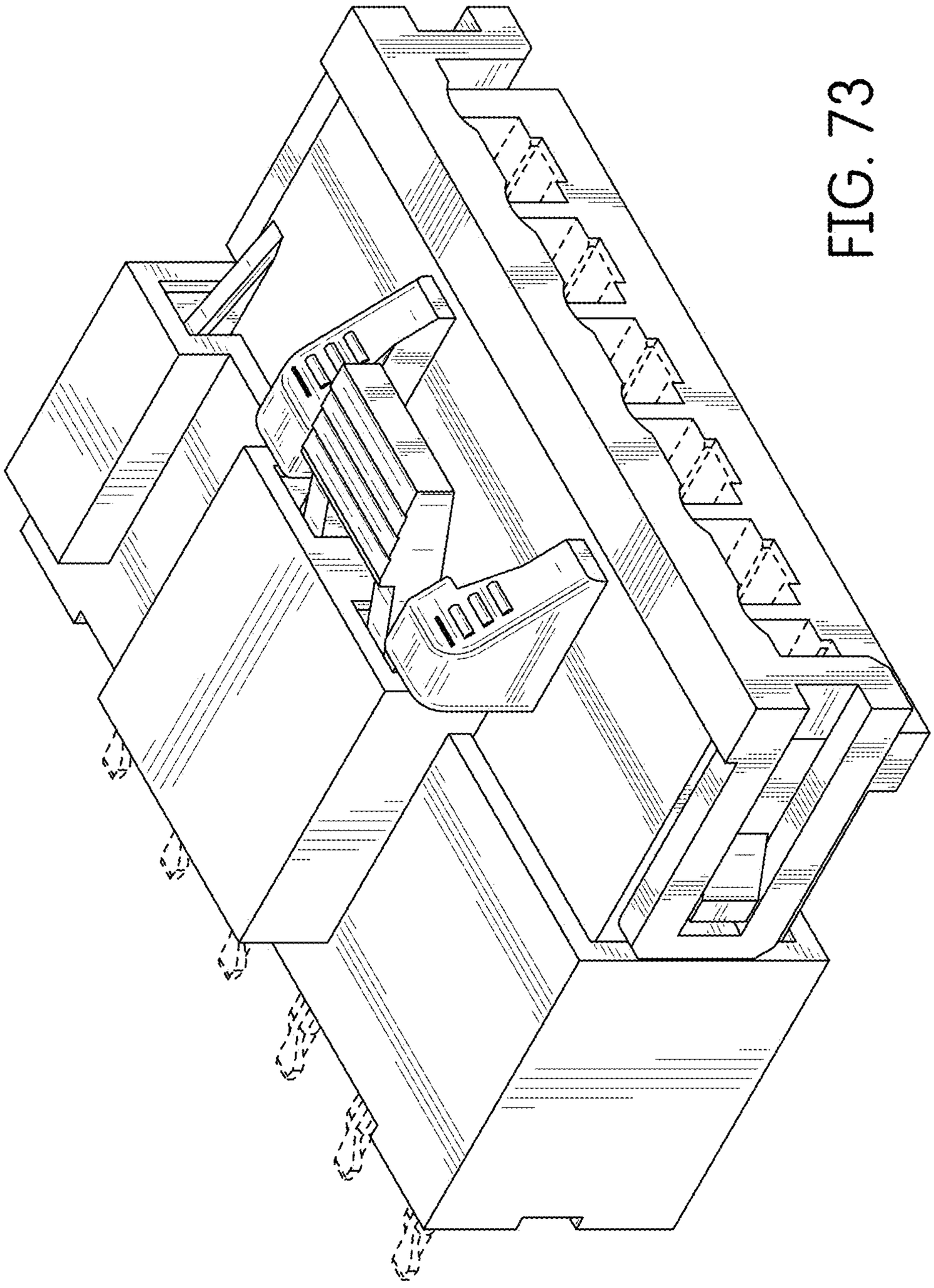


FIG. 73

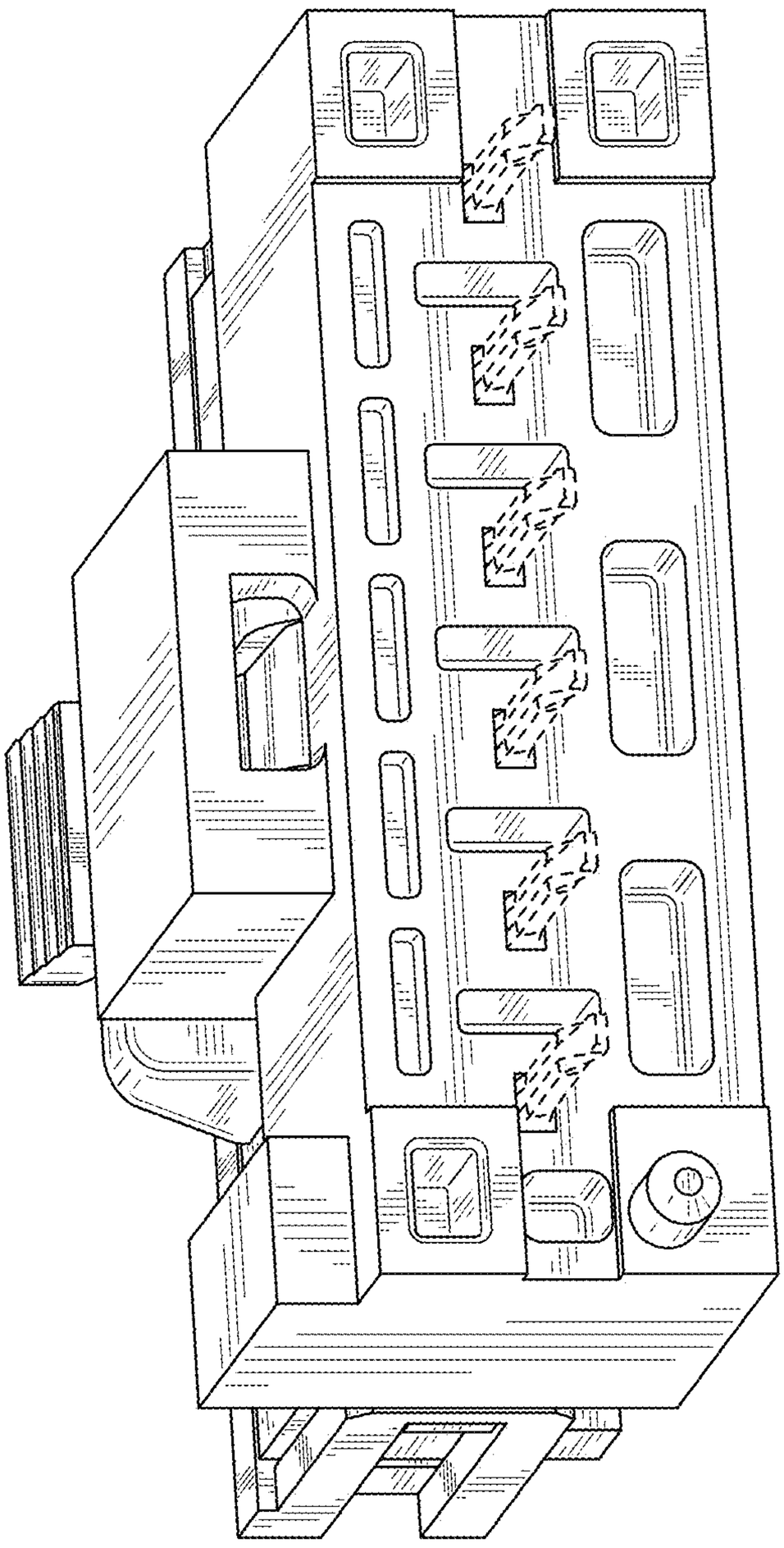


FIG. 74

FIG. 75

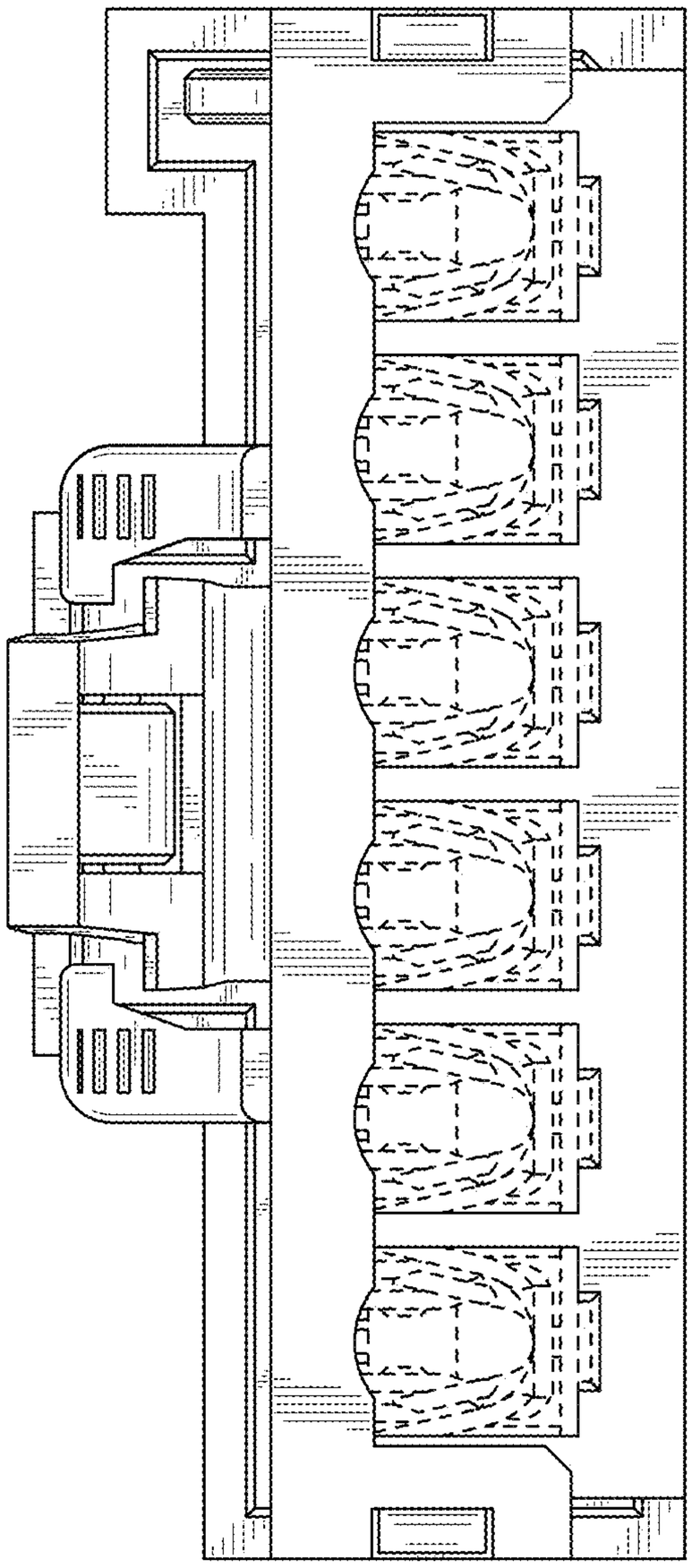


FIG. 76

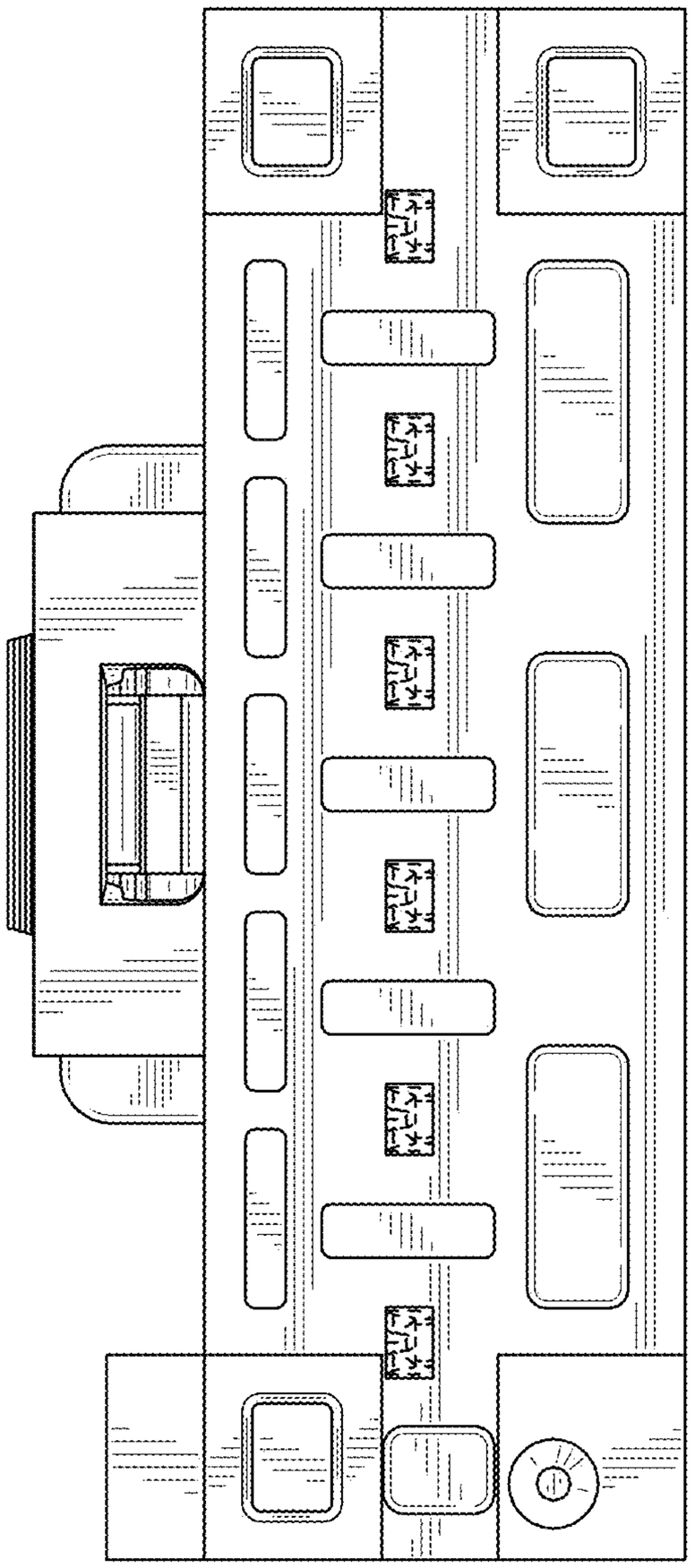


FIG. 77

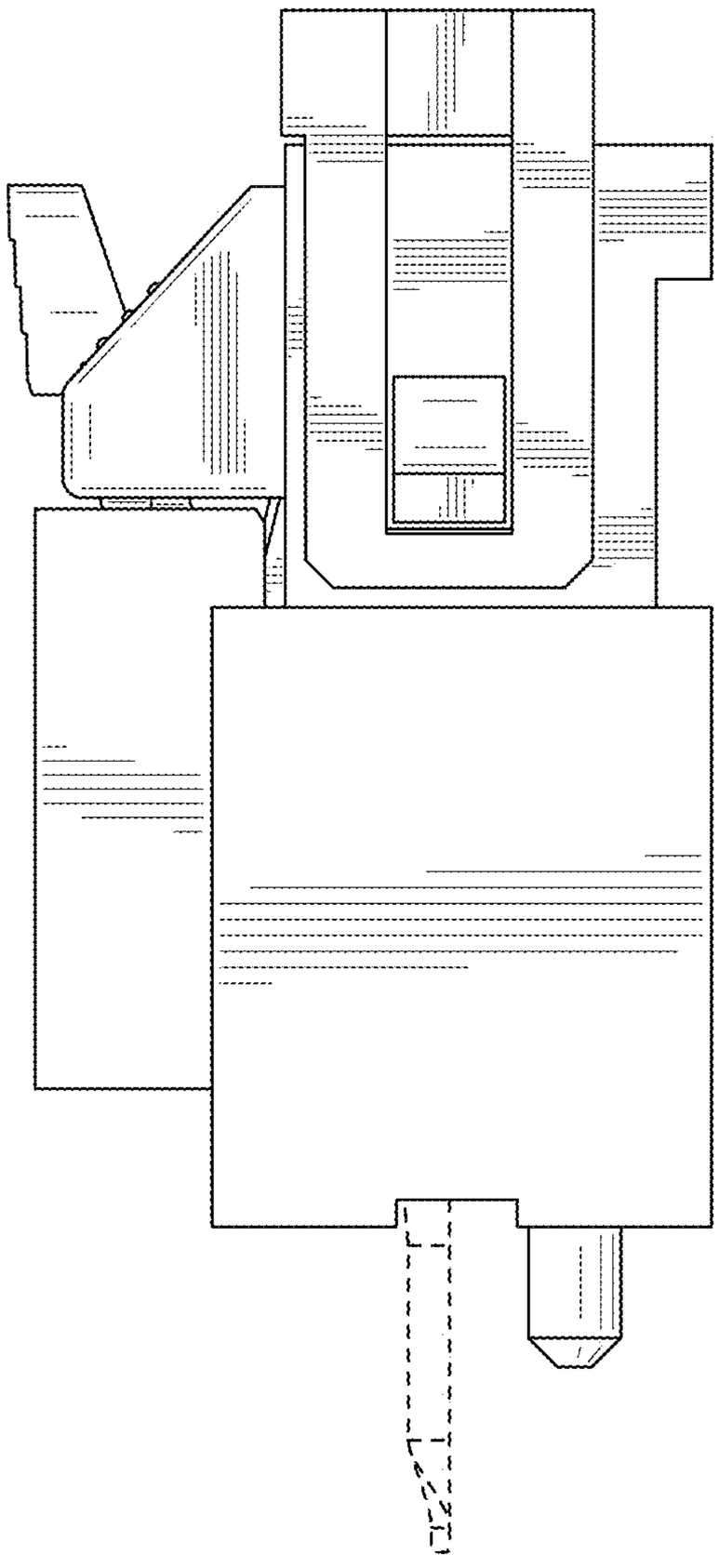


FIG. 78

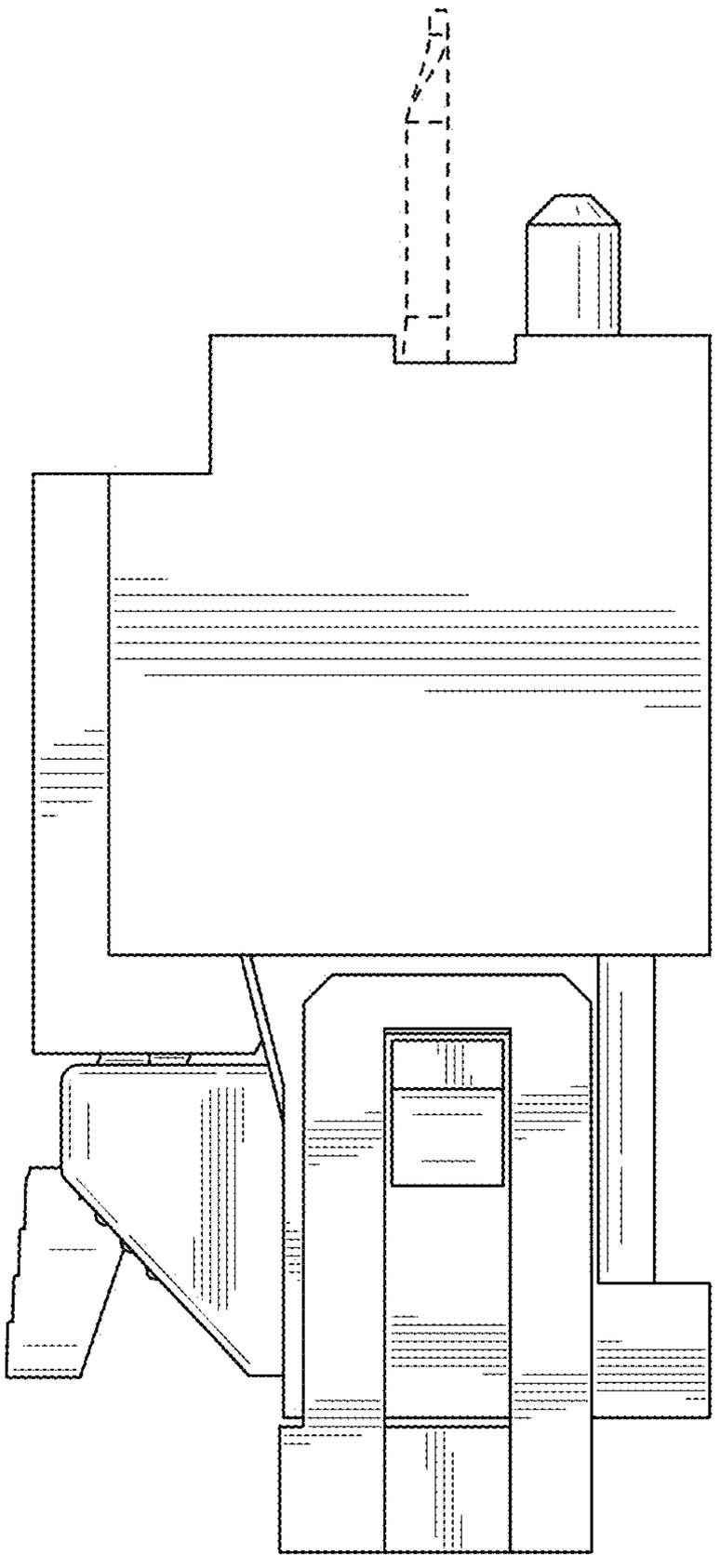


FIG. 79

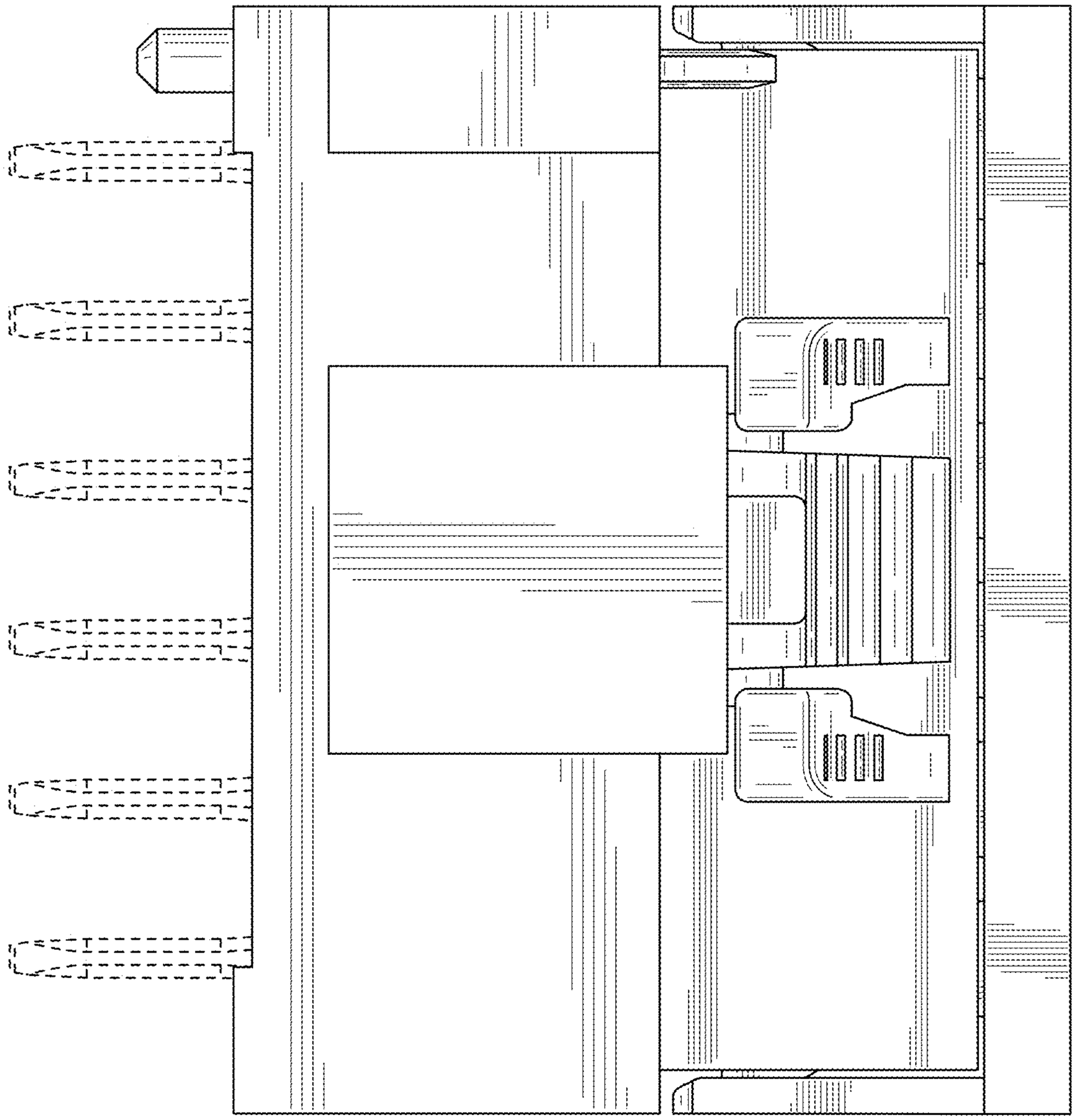
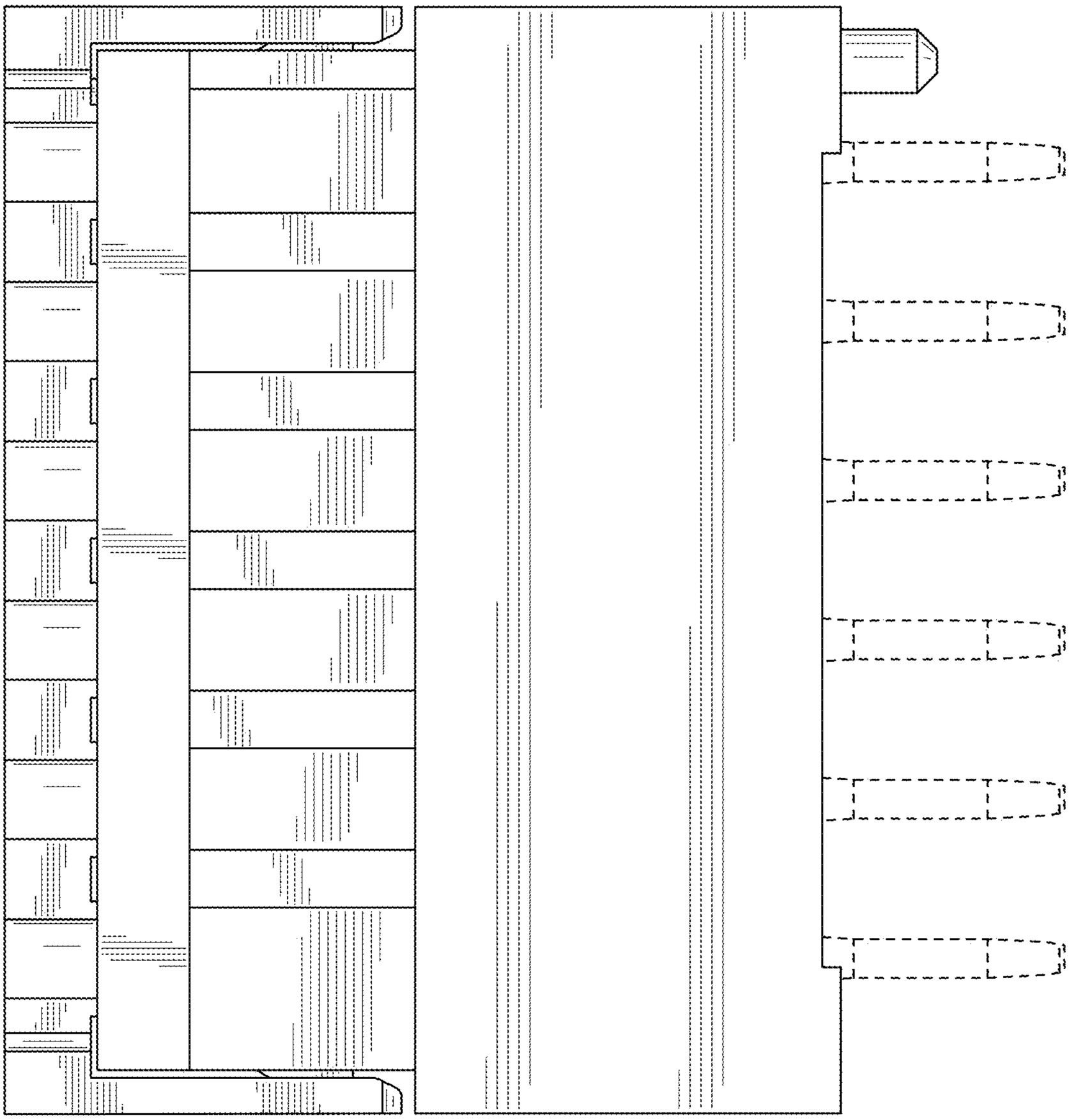


FIG. 80



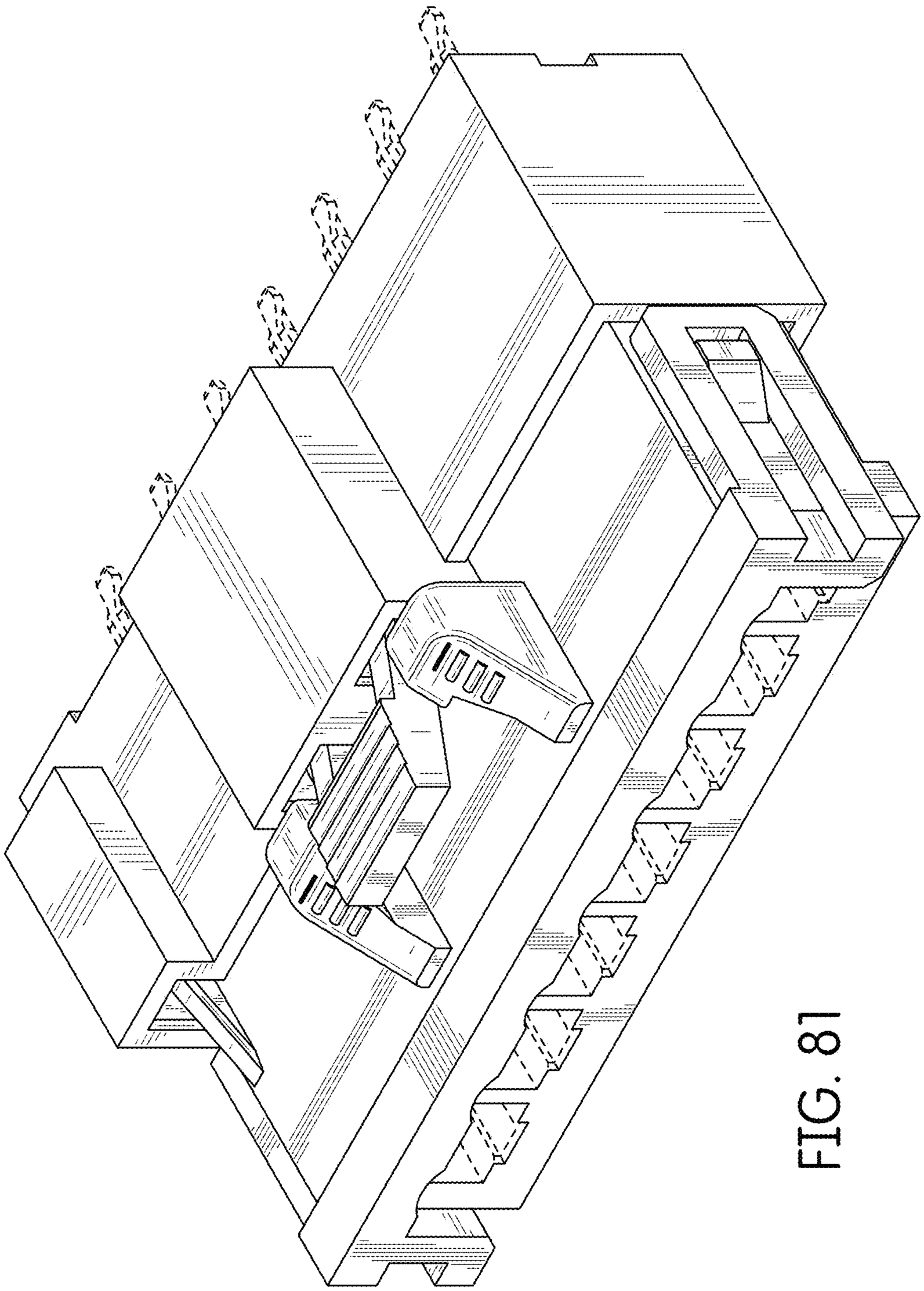


FIG. 81

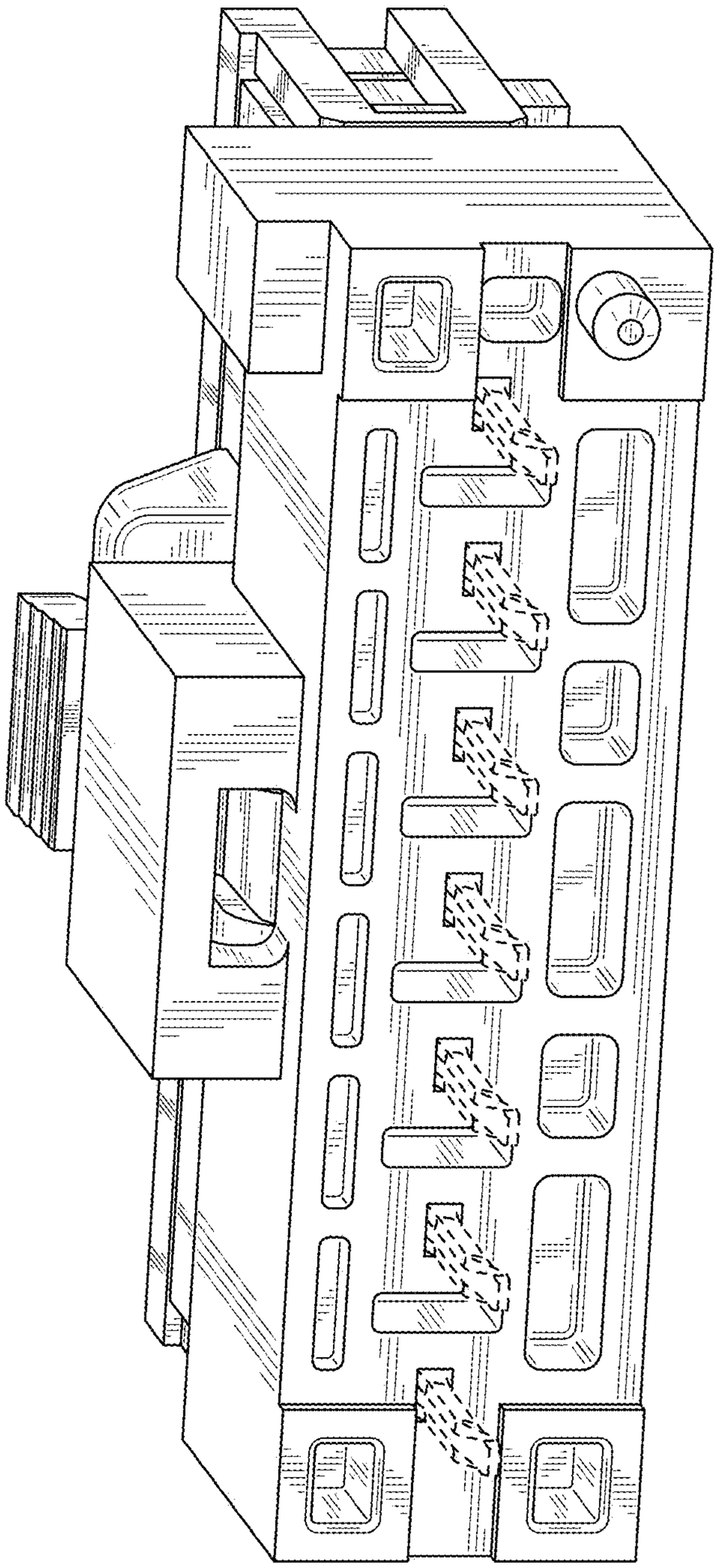


FIG. 82

FIG. 83

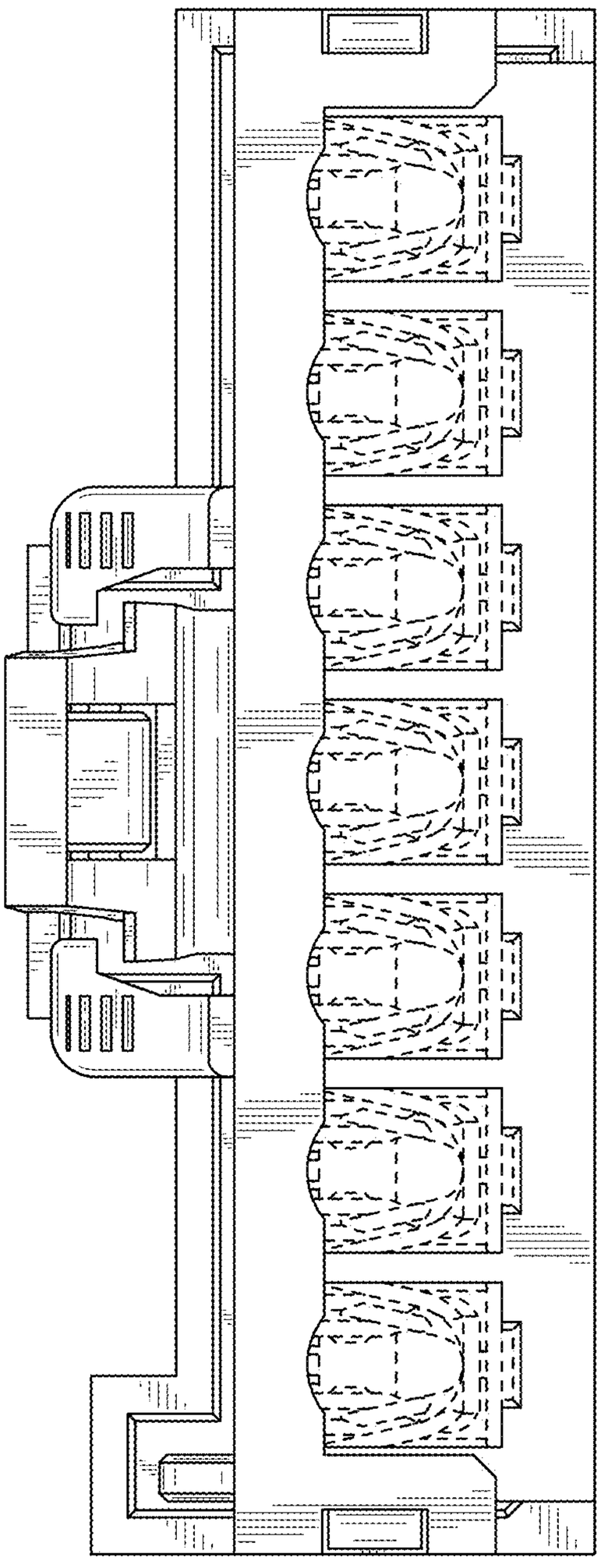


FIG. 84

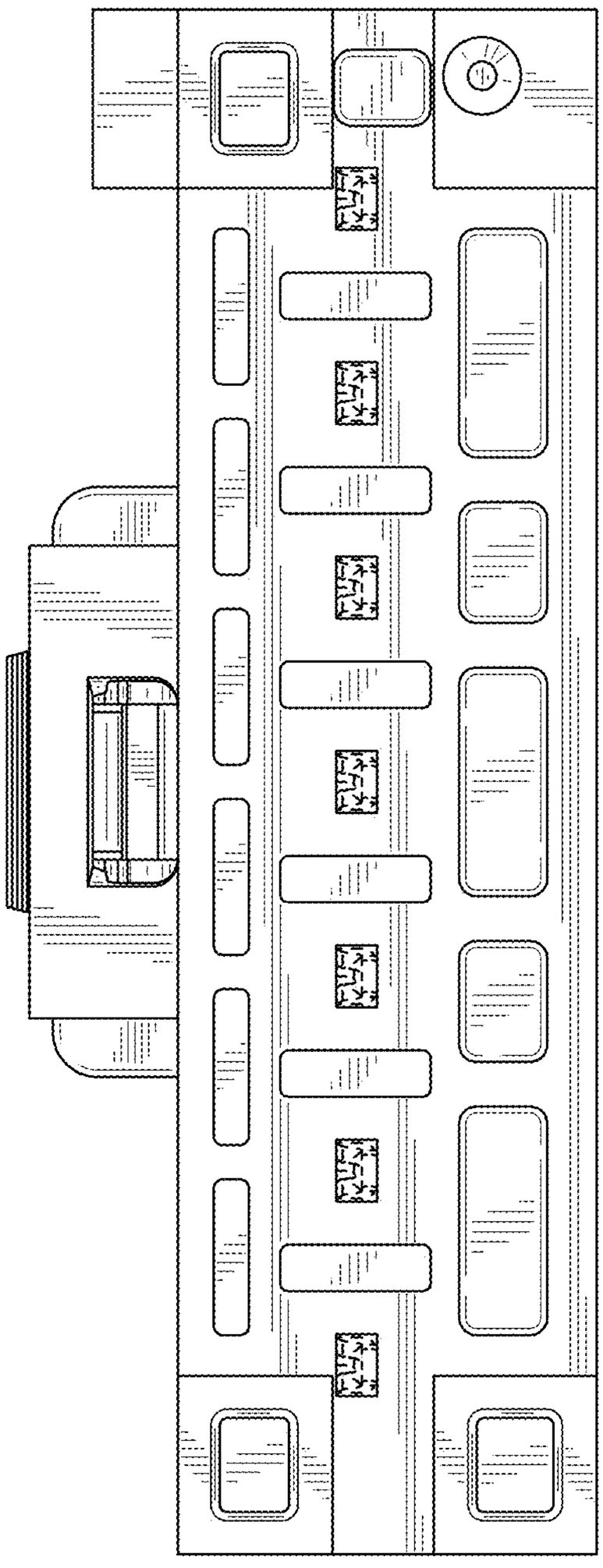


FIG. 85

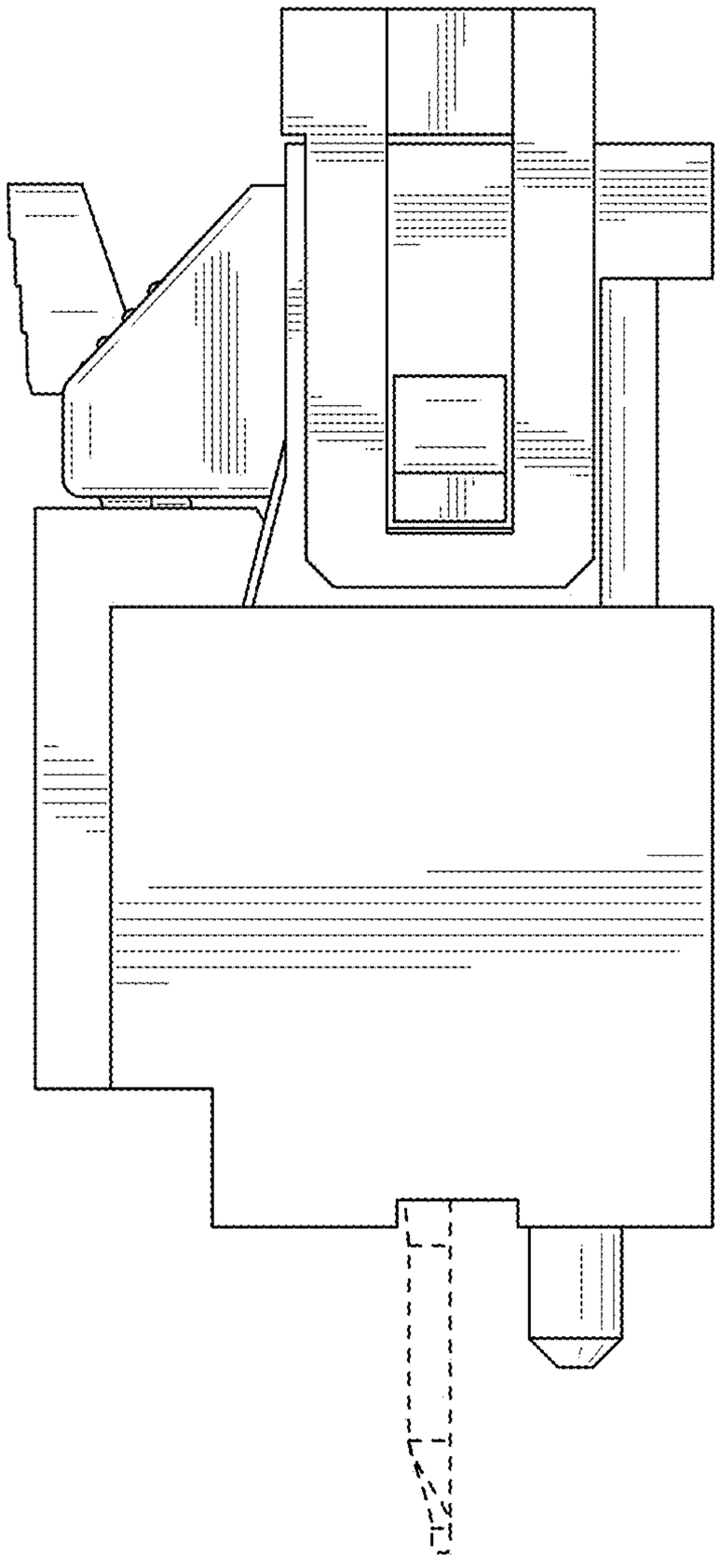
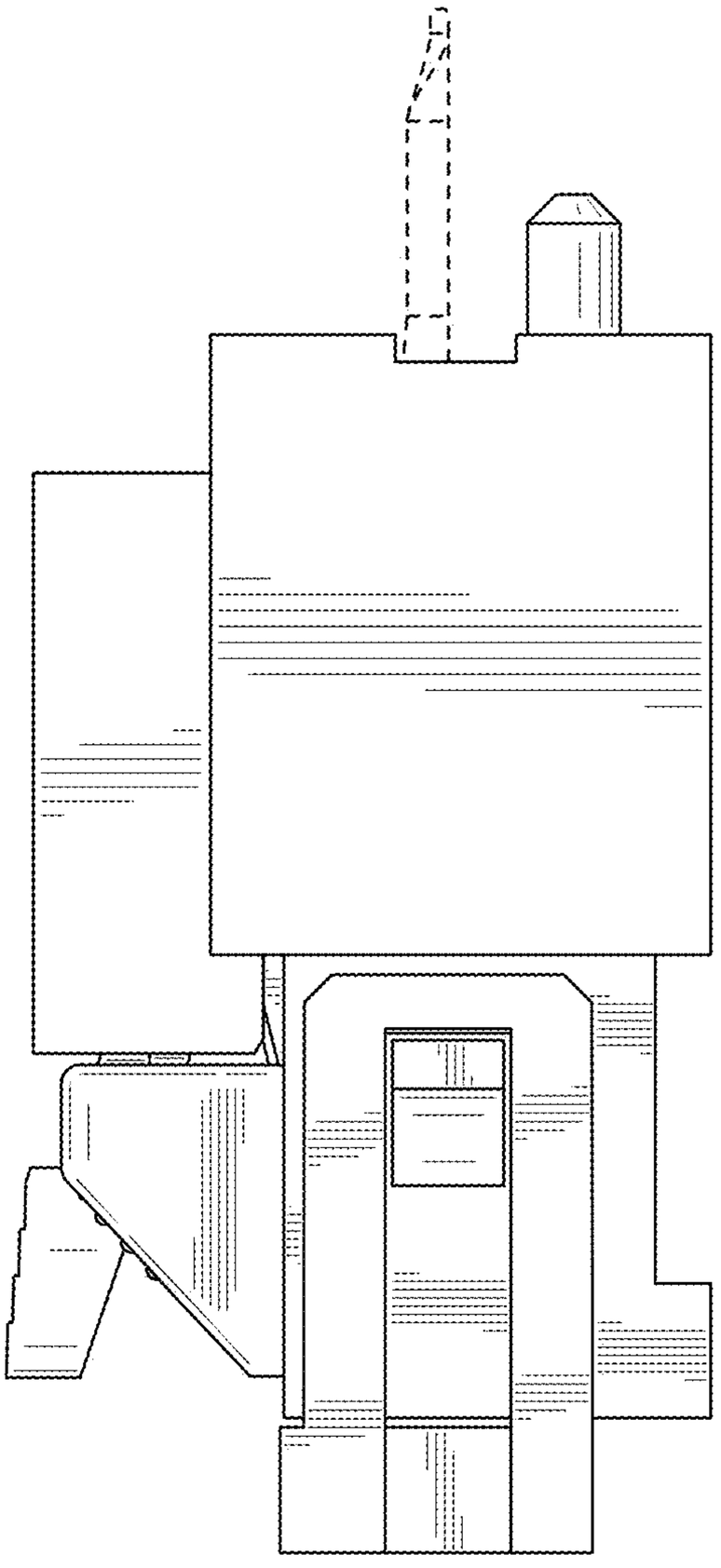


FIG. 86



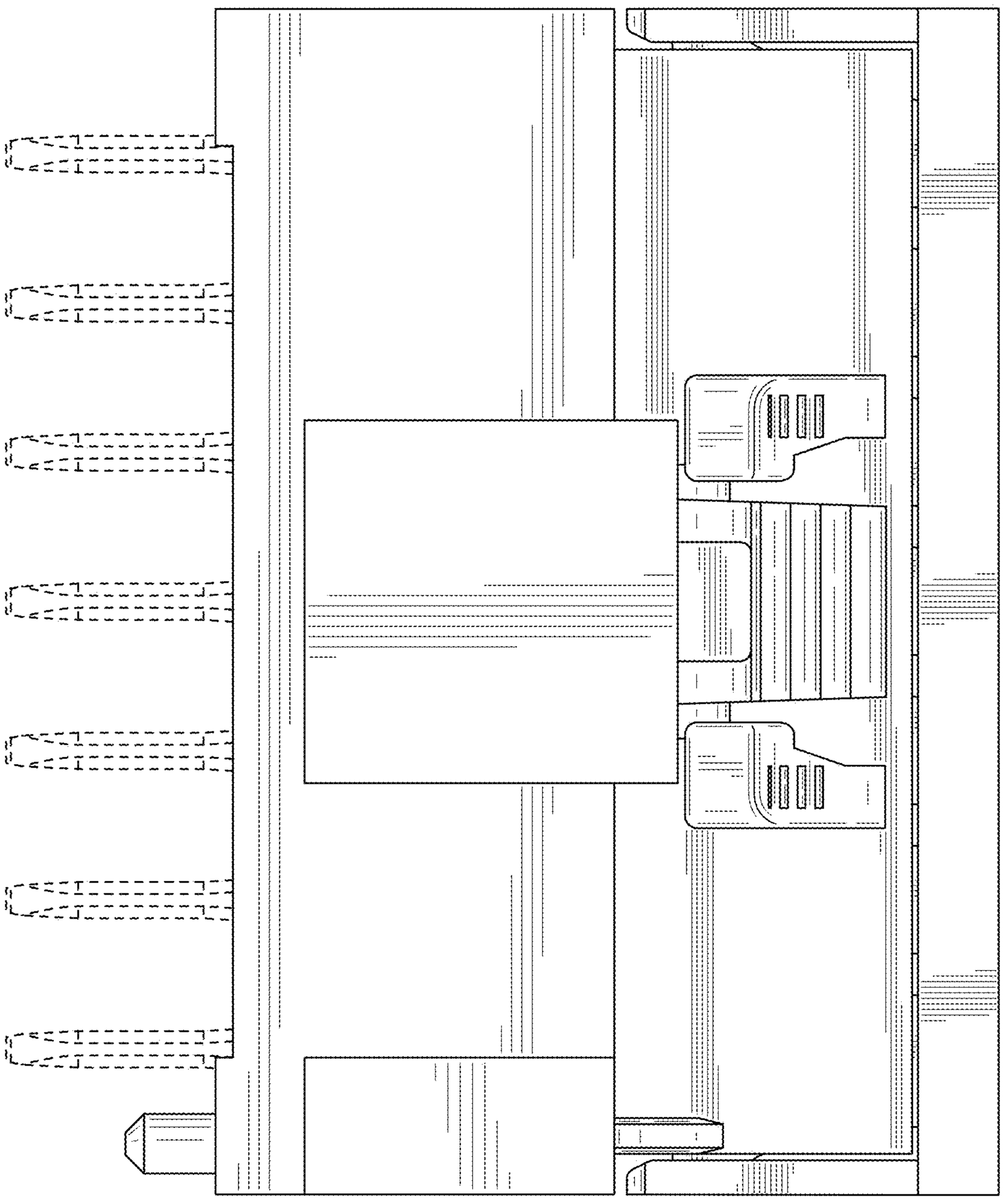


FIG. 87

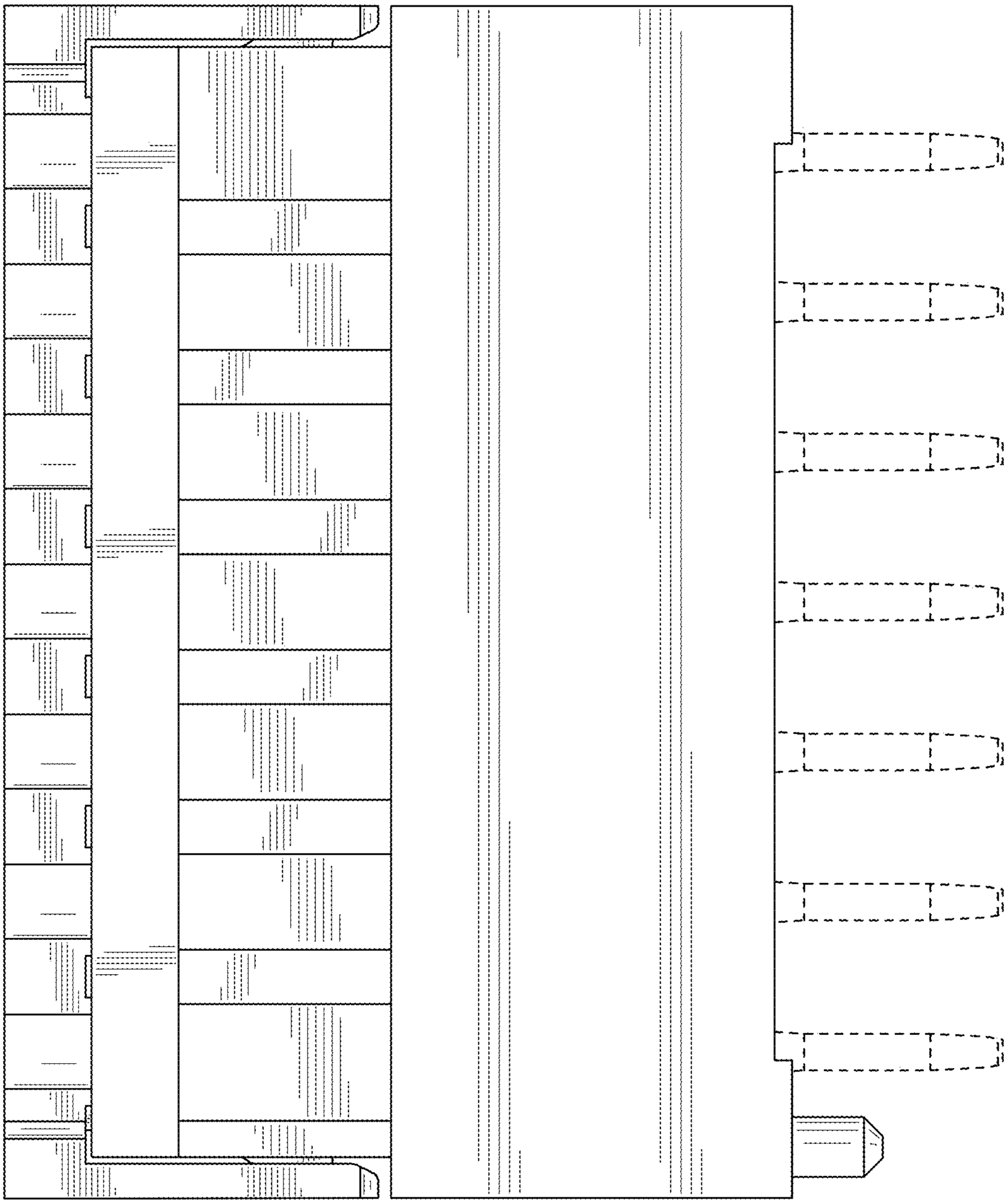


FIG. 88

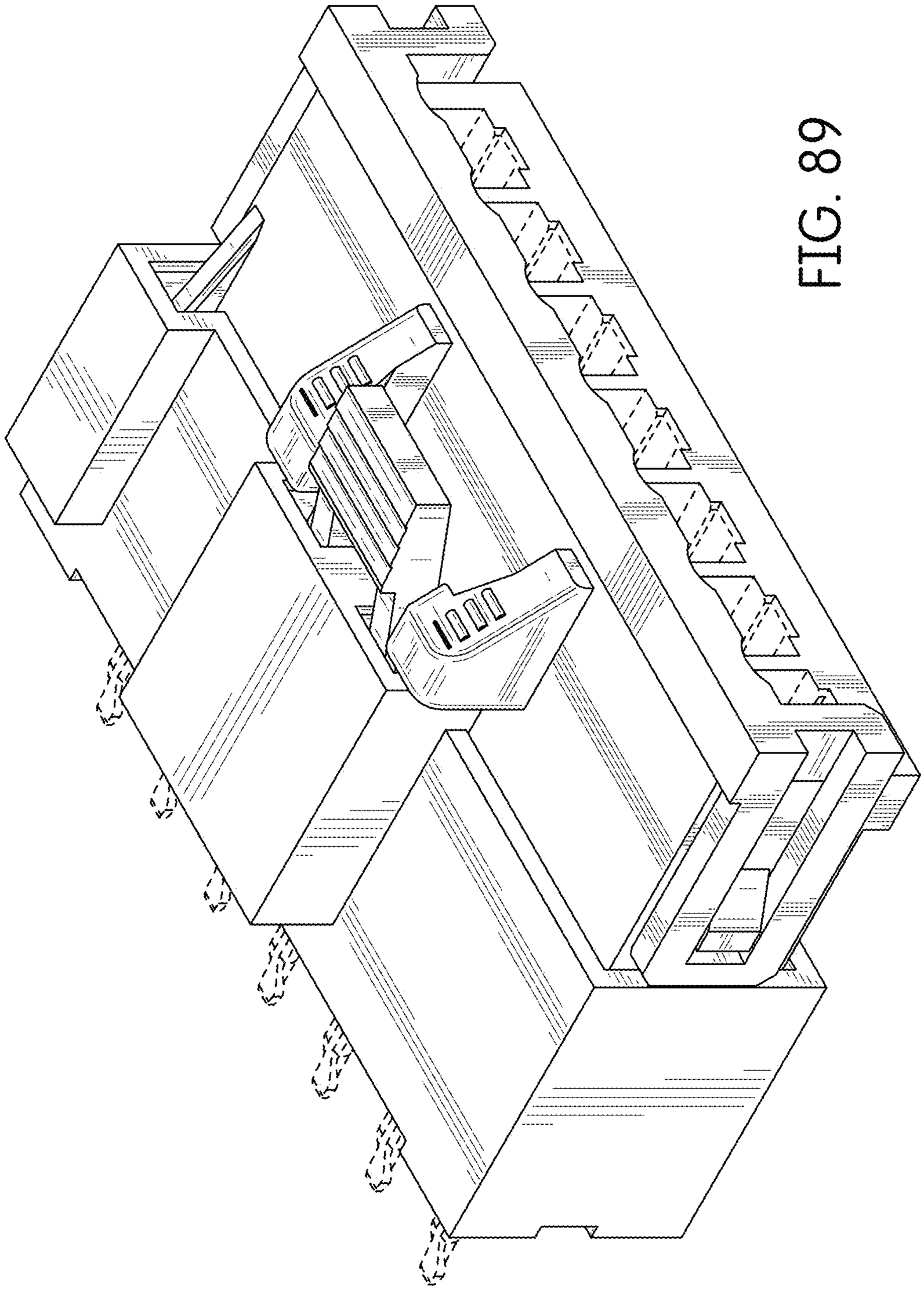


FIG. 89

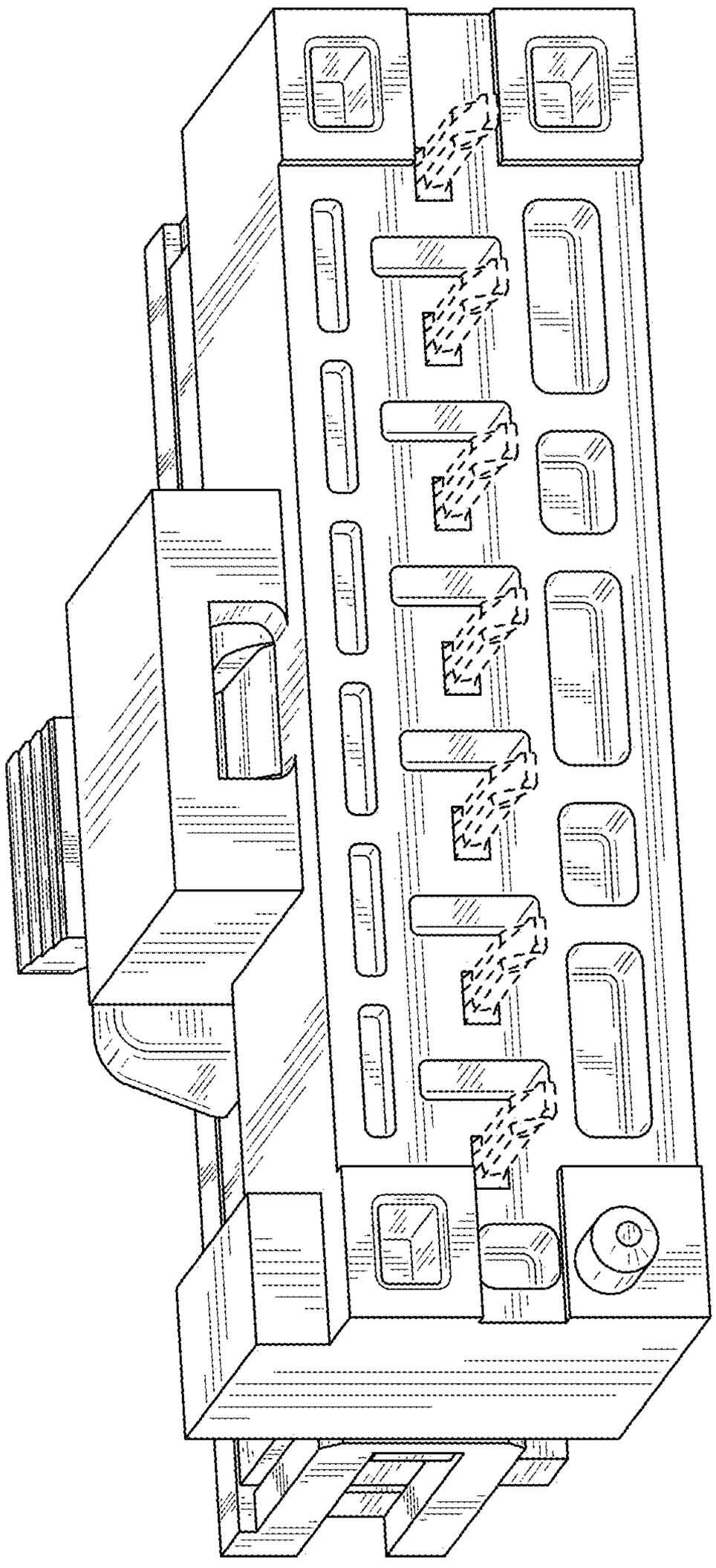


FIG. 90

FIG. 91

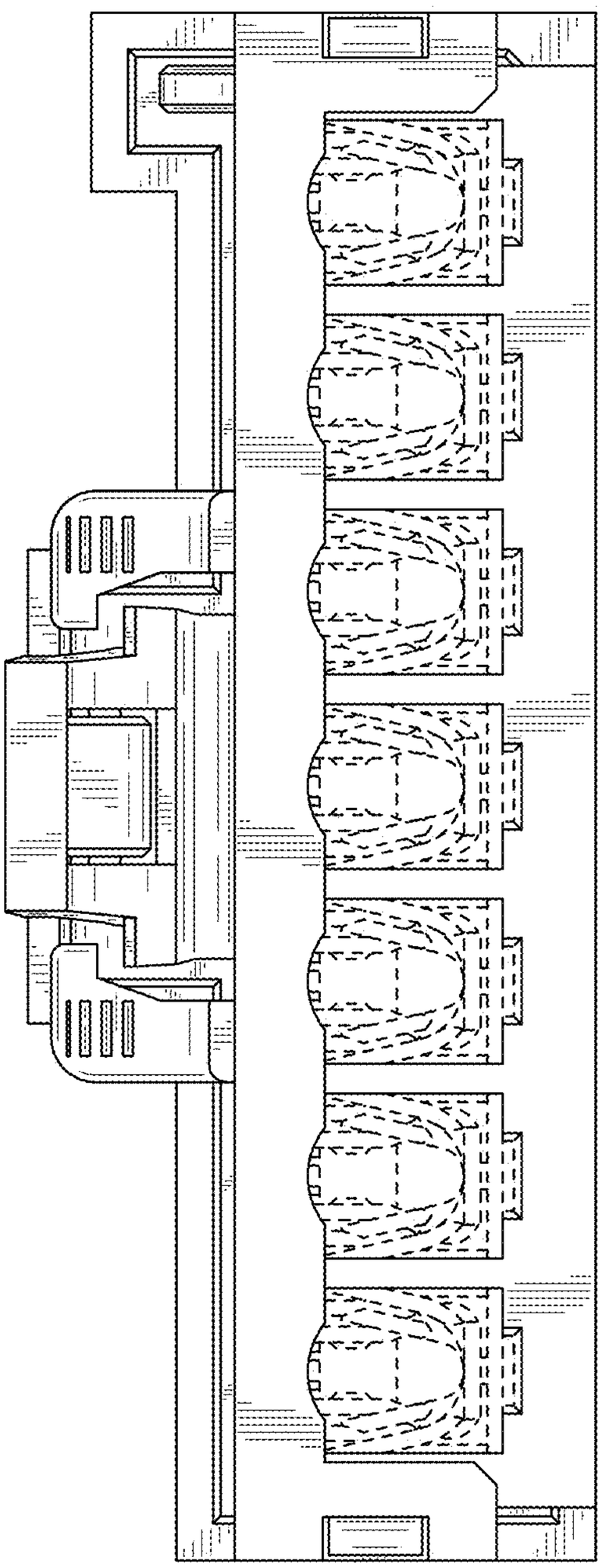


FIG. 92

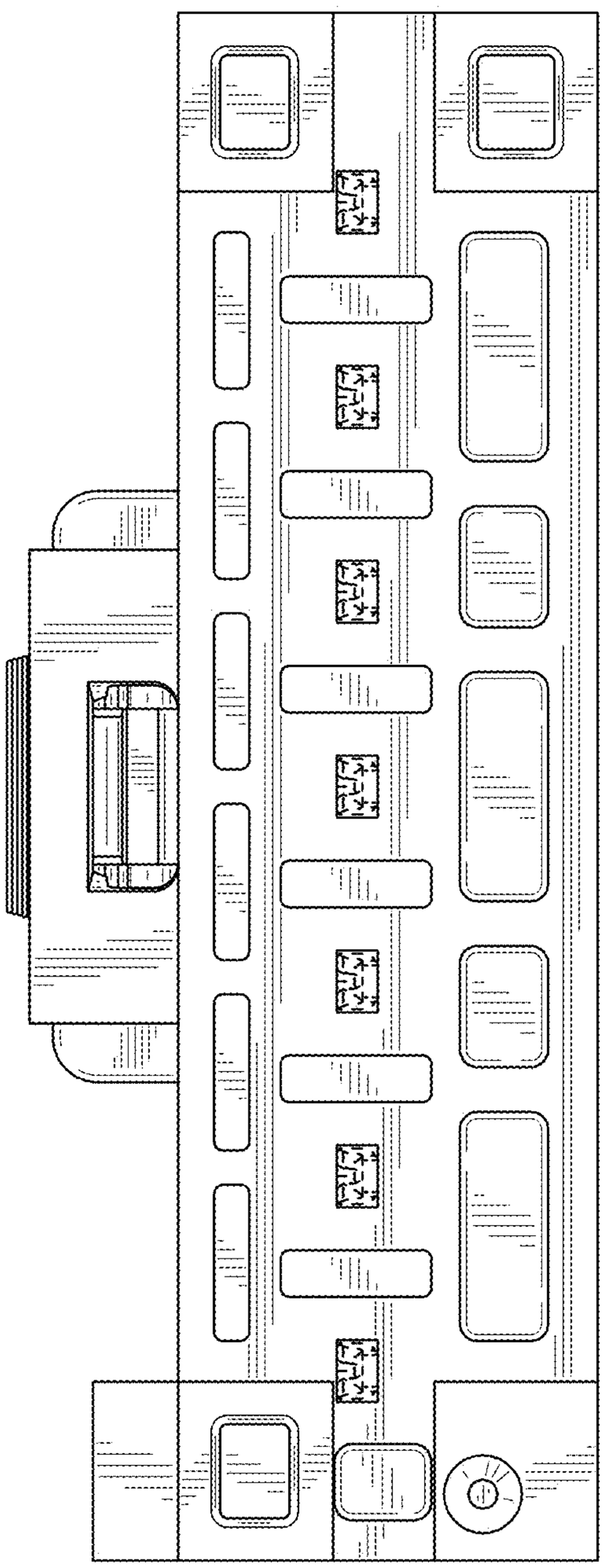


FIG. 93

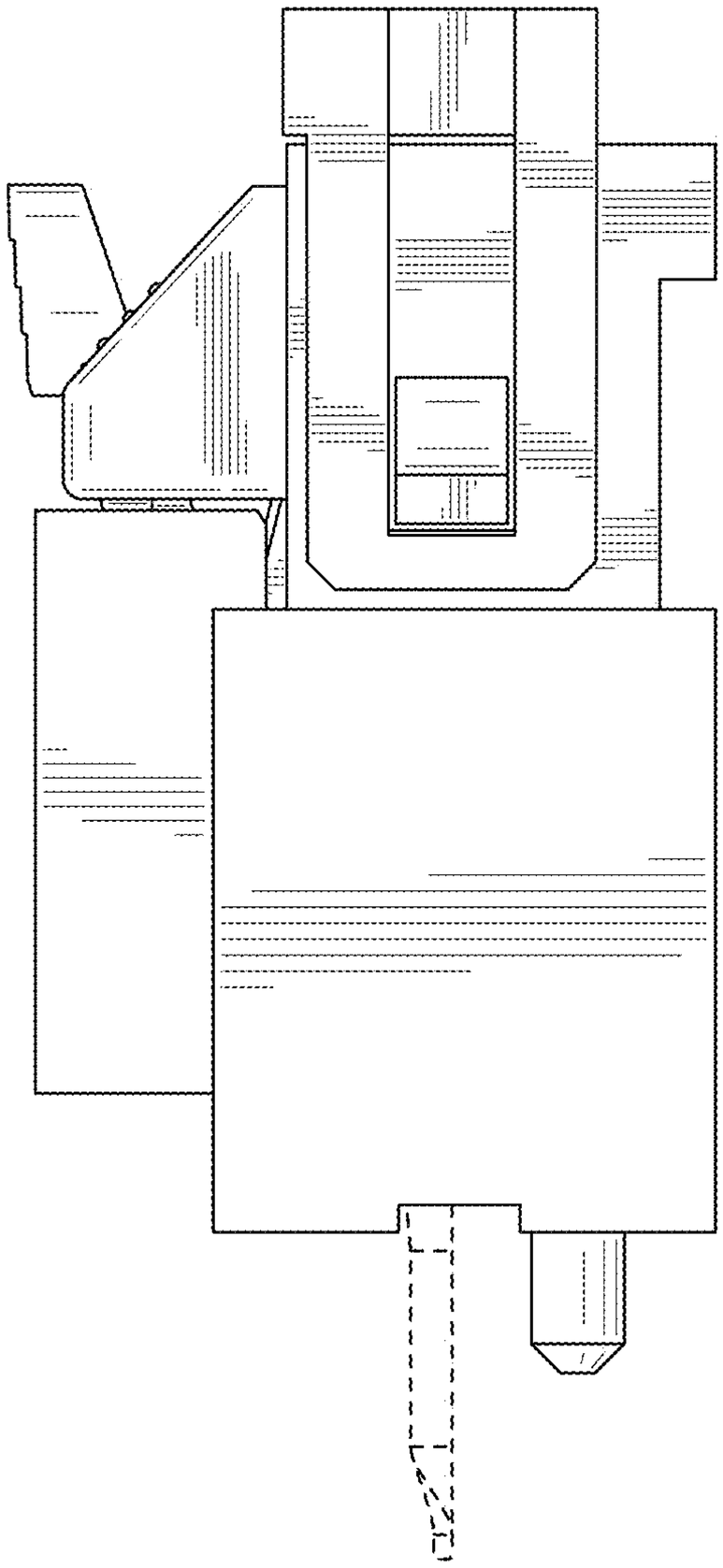
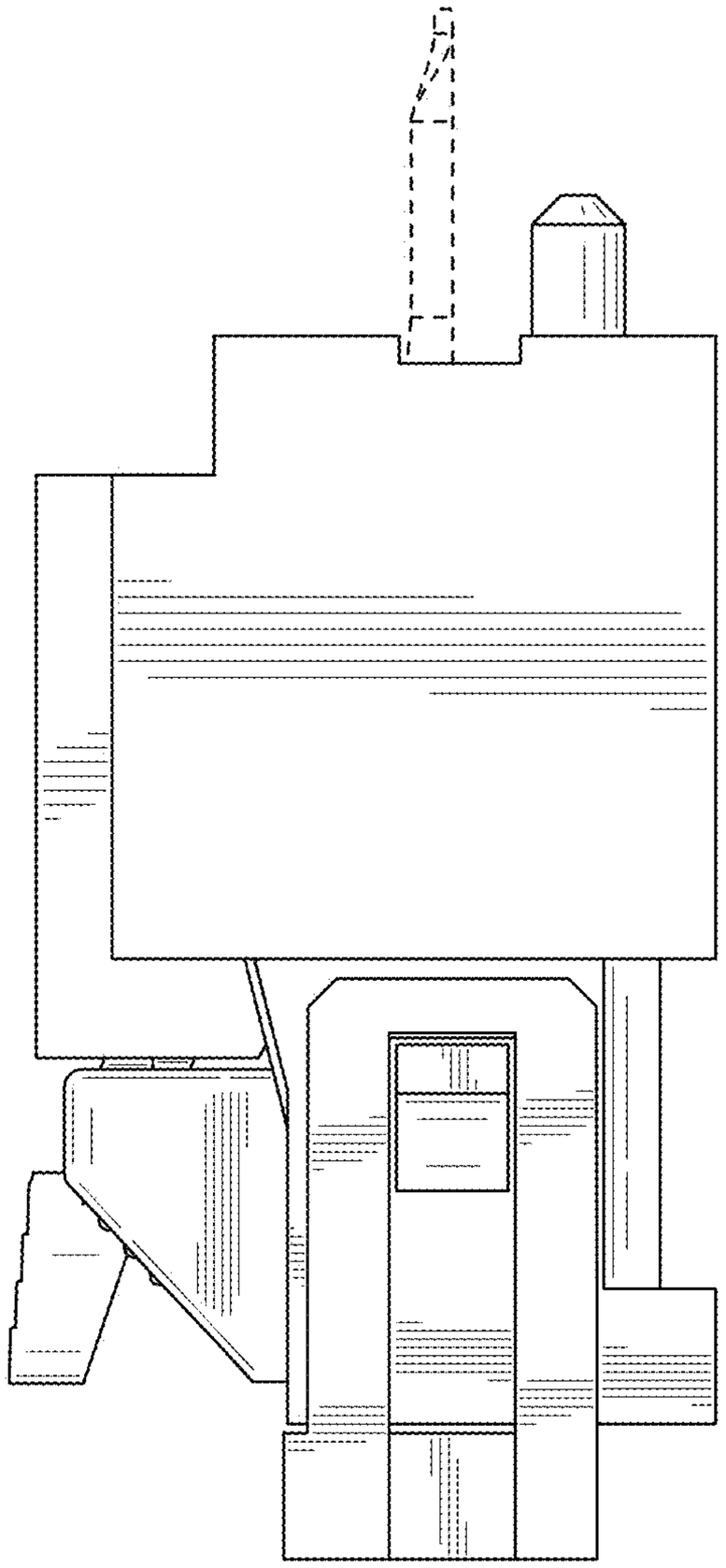


FIG. 94



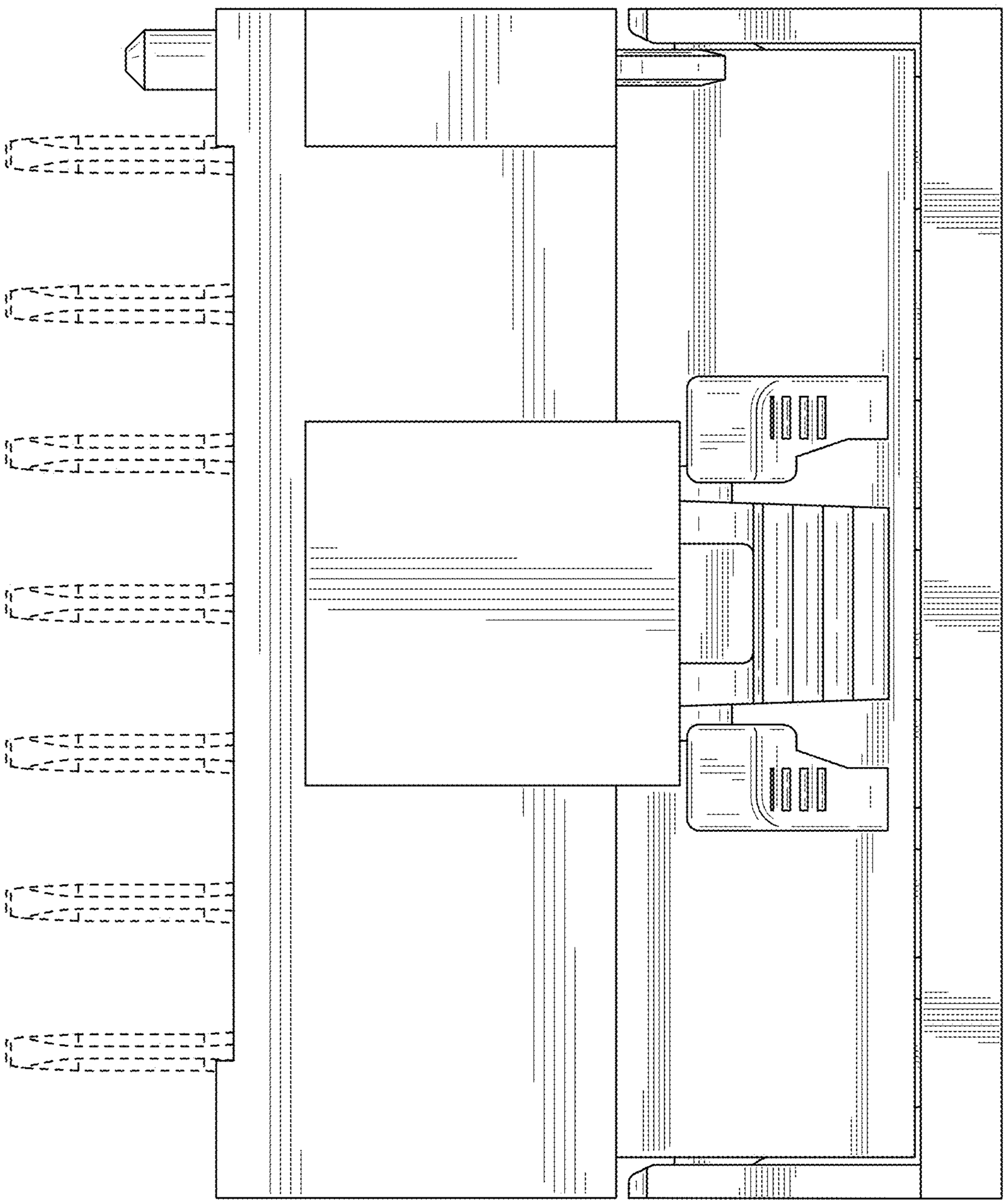


FIG. 95

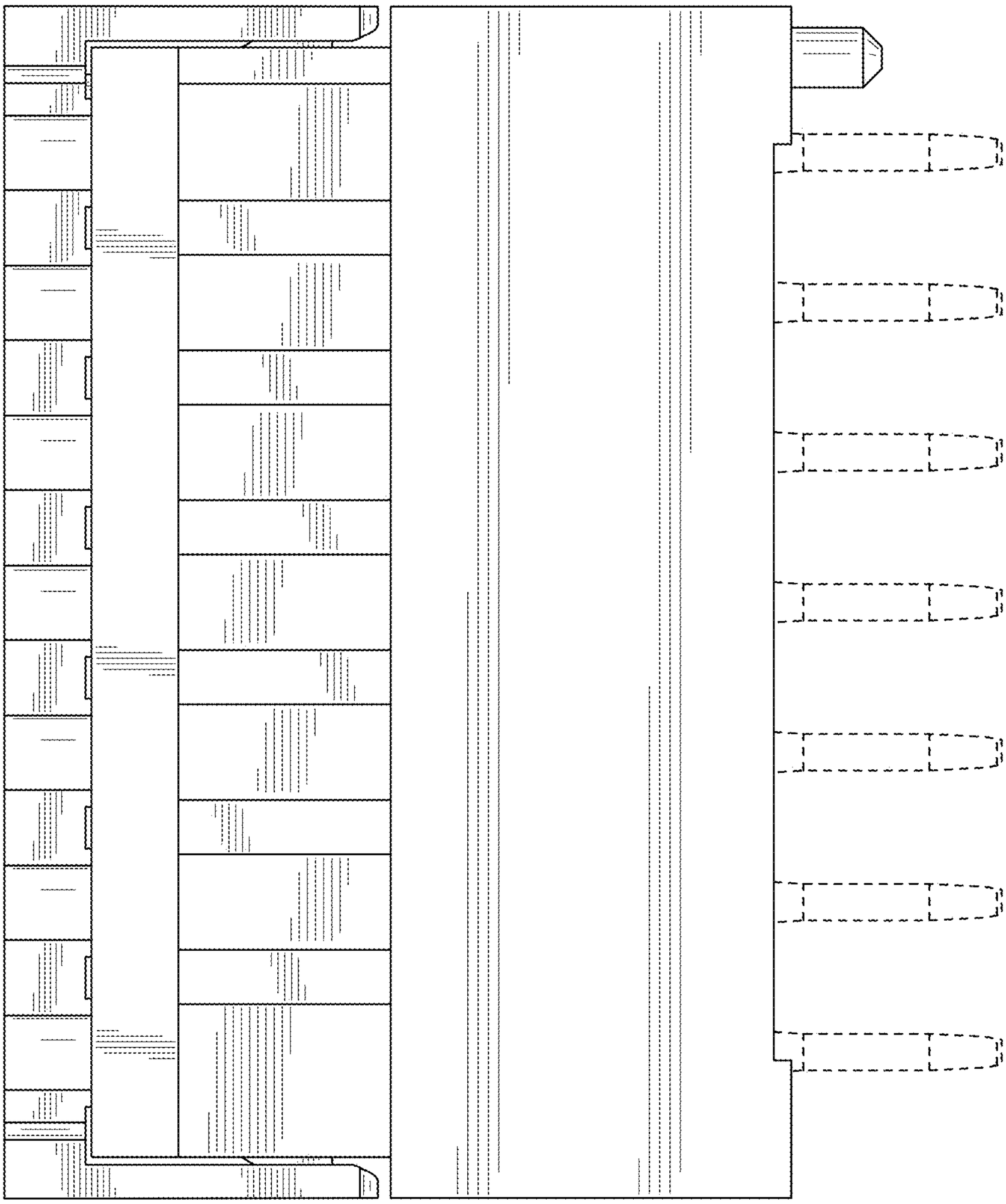


FIG. 96

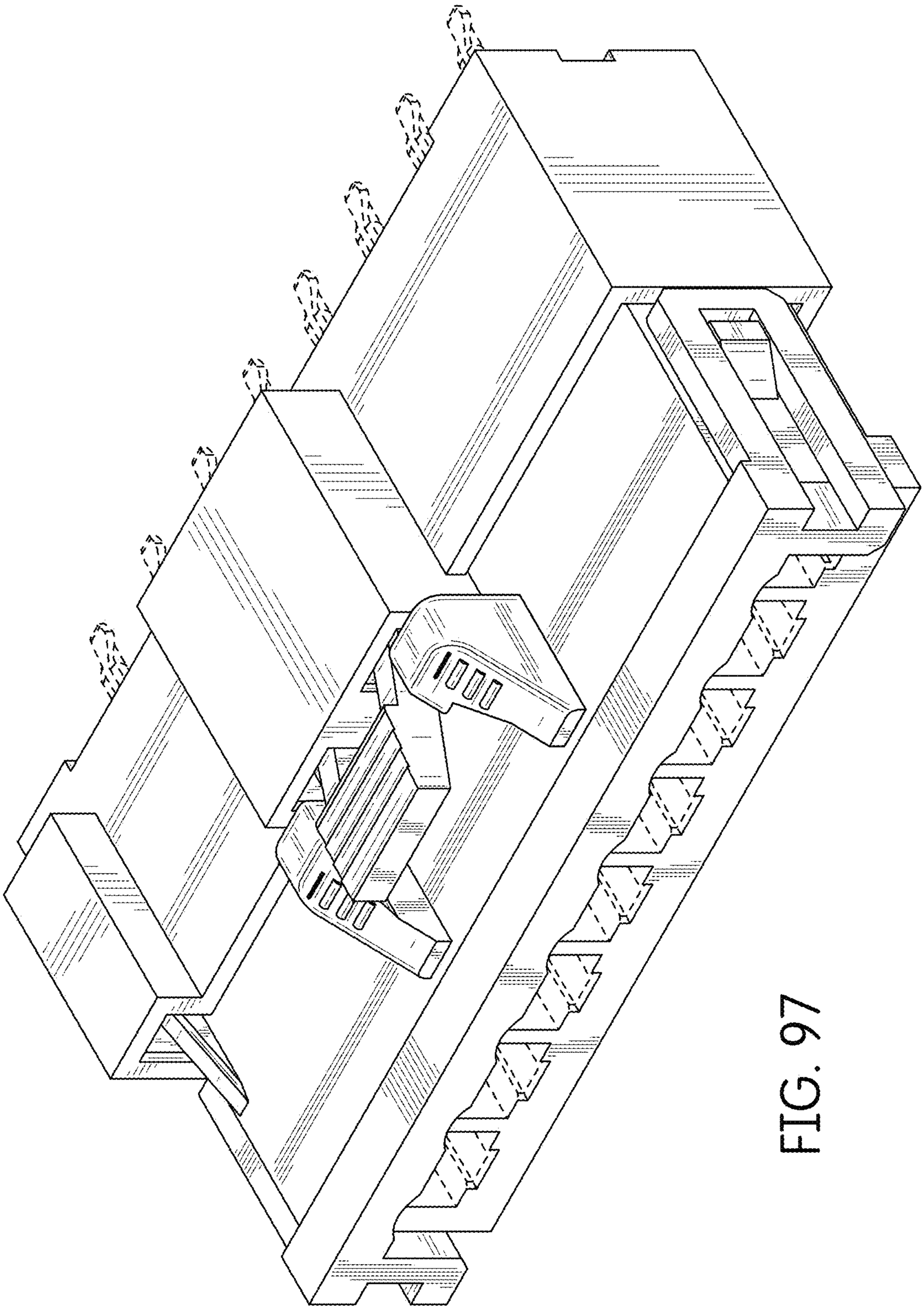


FIG. 67

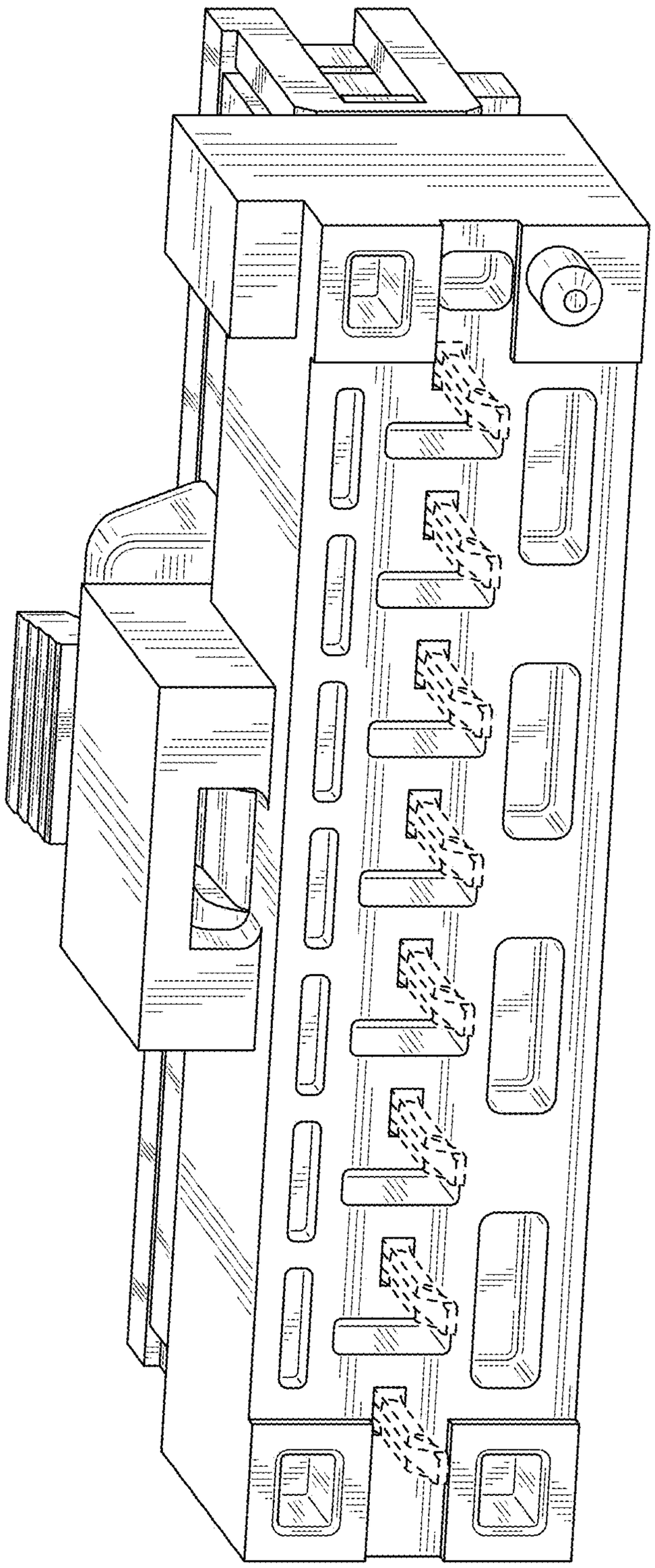


FIG. 98

FIG. 99

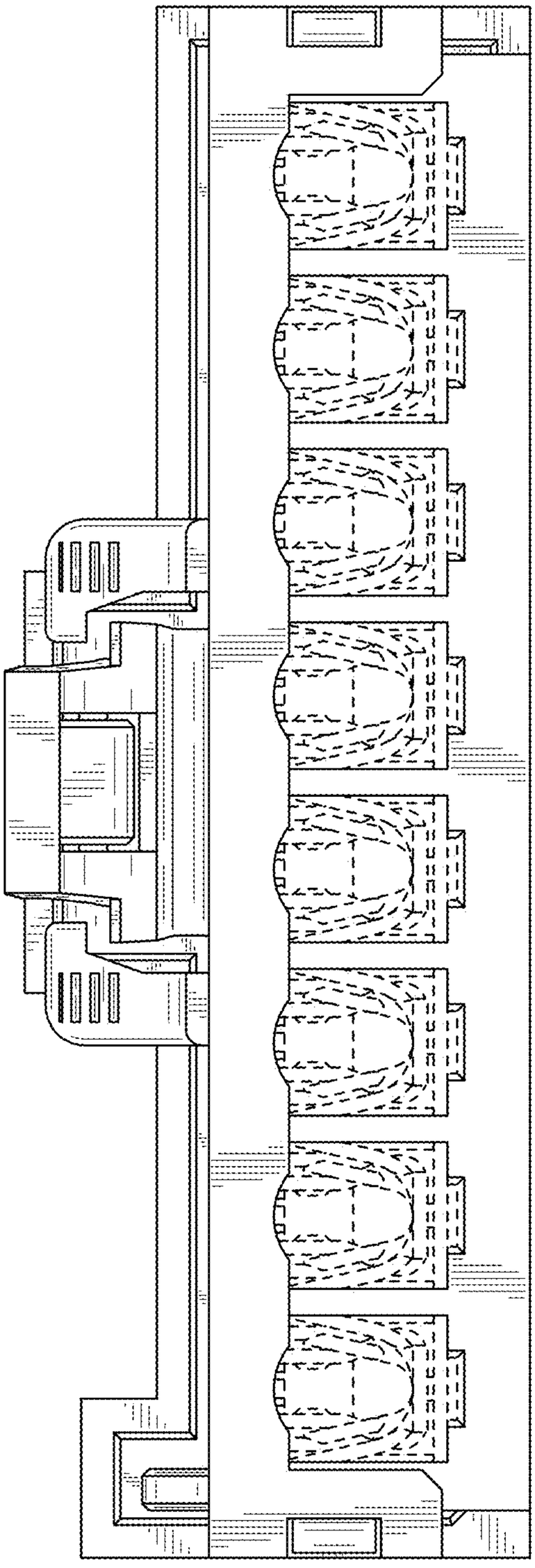


FIG. 100

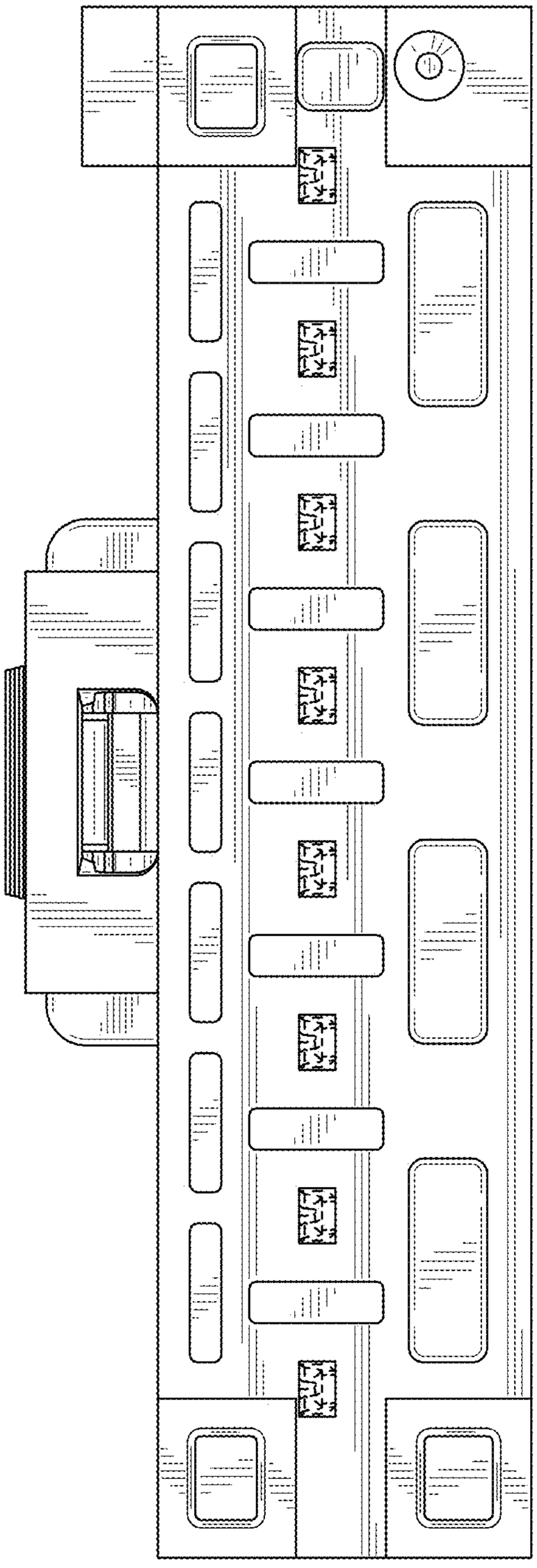


FIG. 101

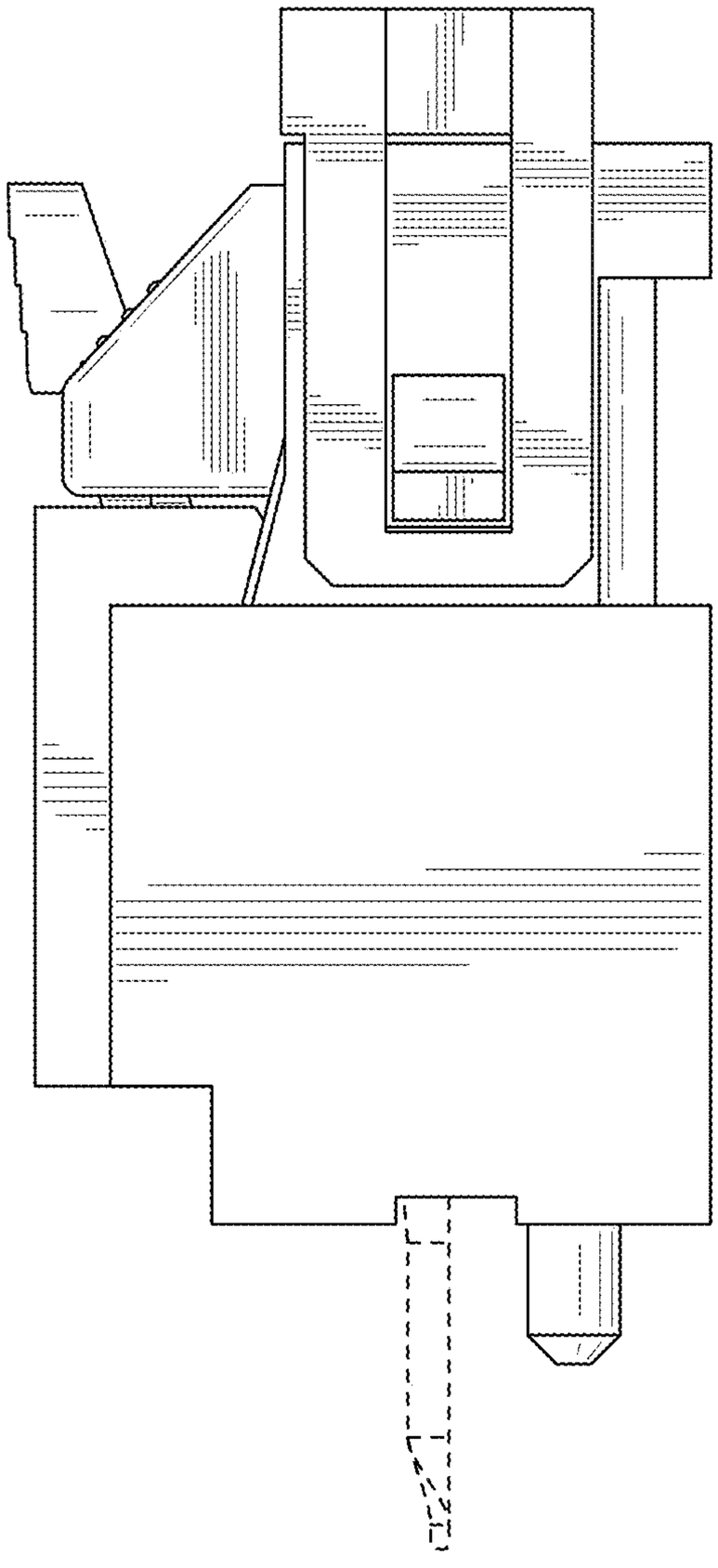
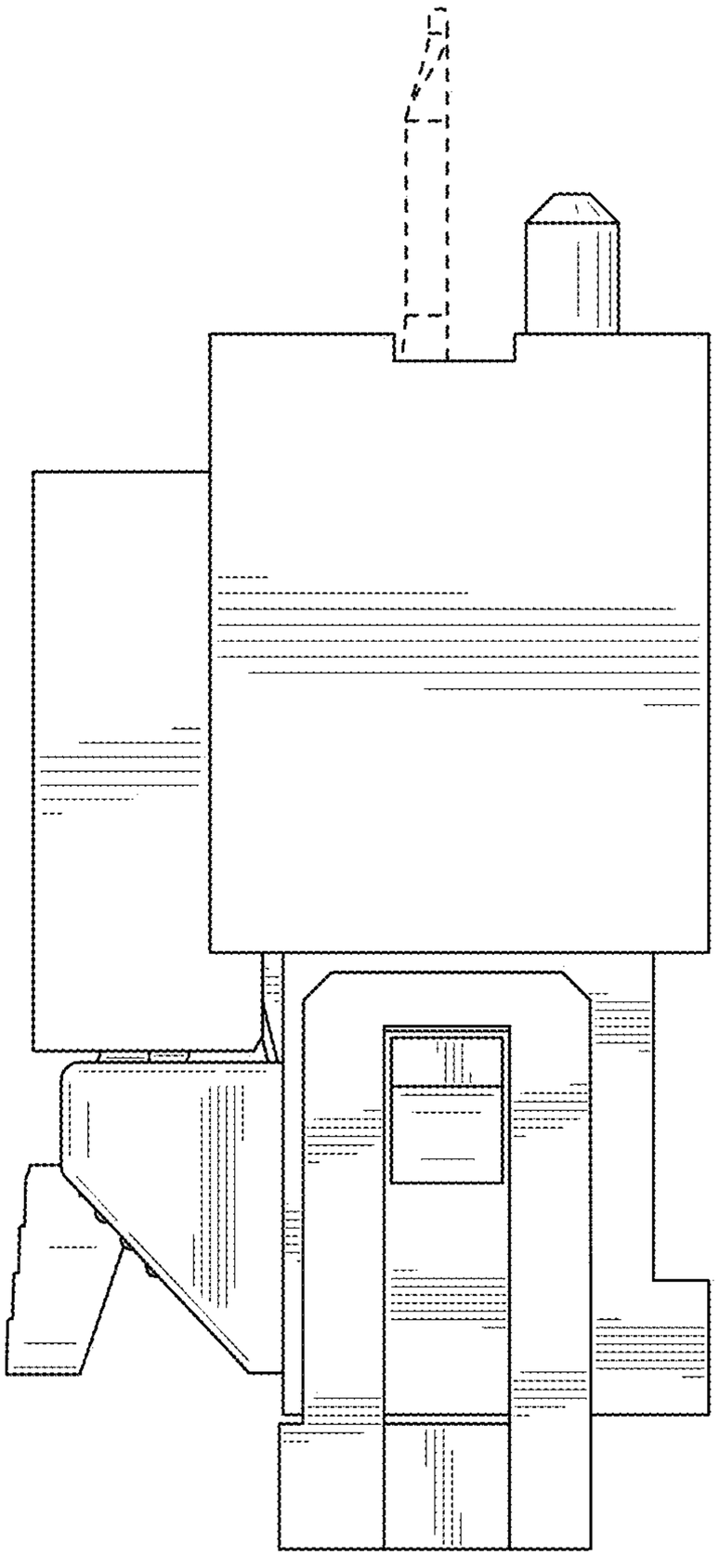


FIG. 102



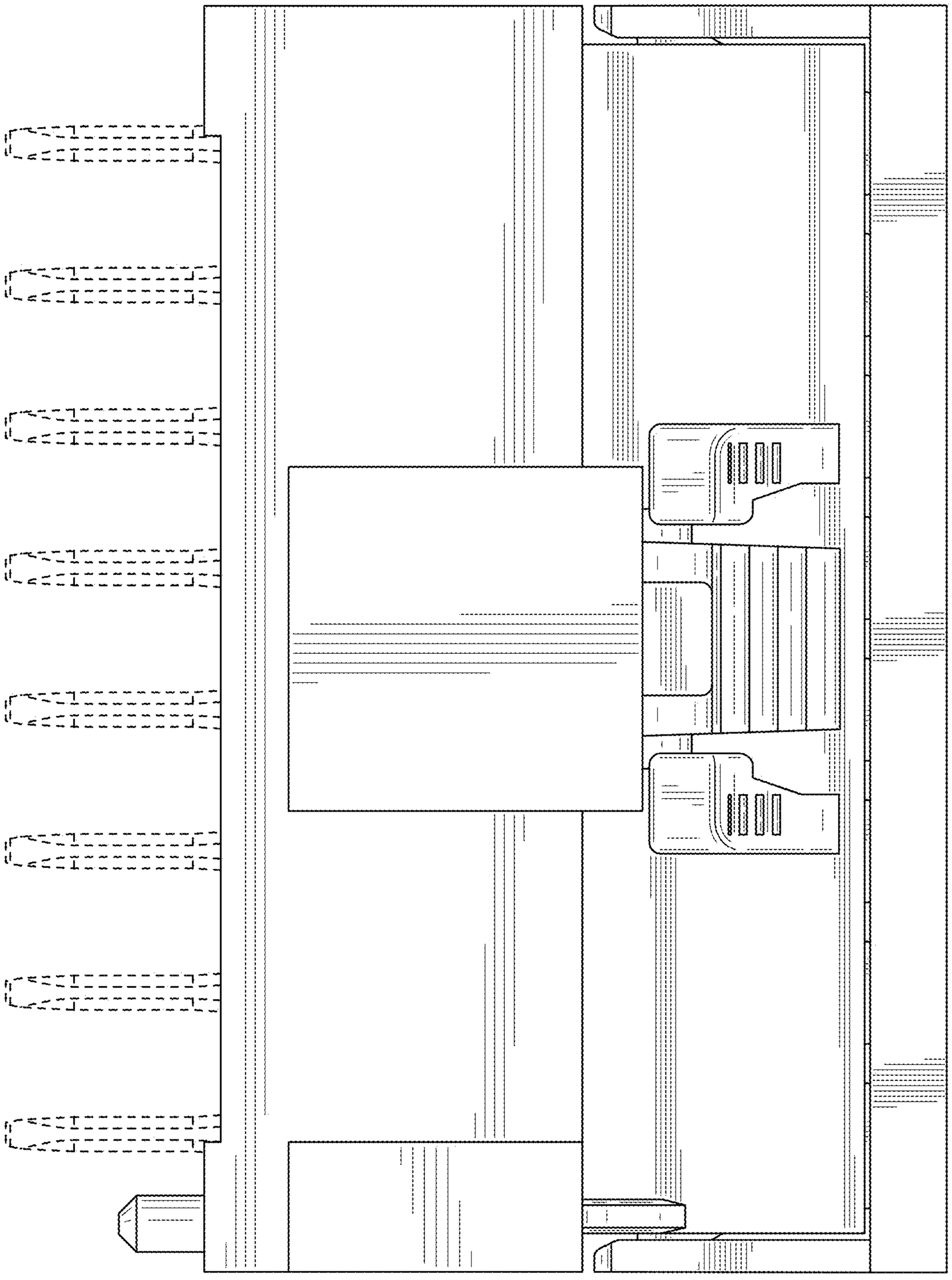


FIG. 103

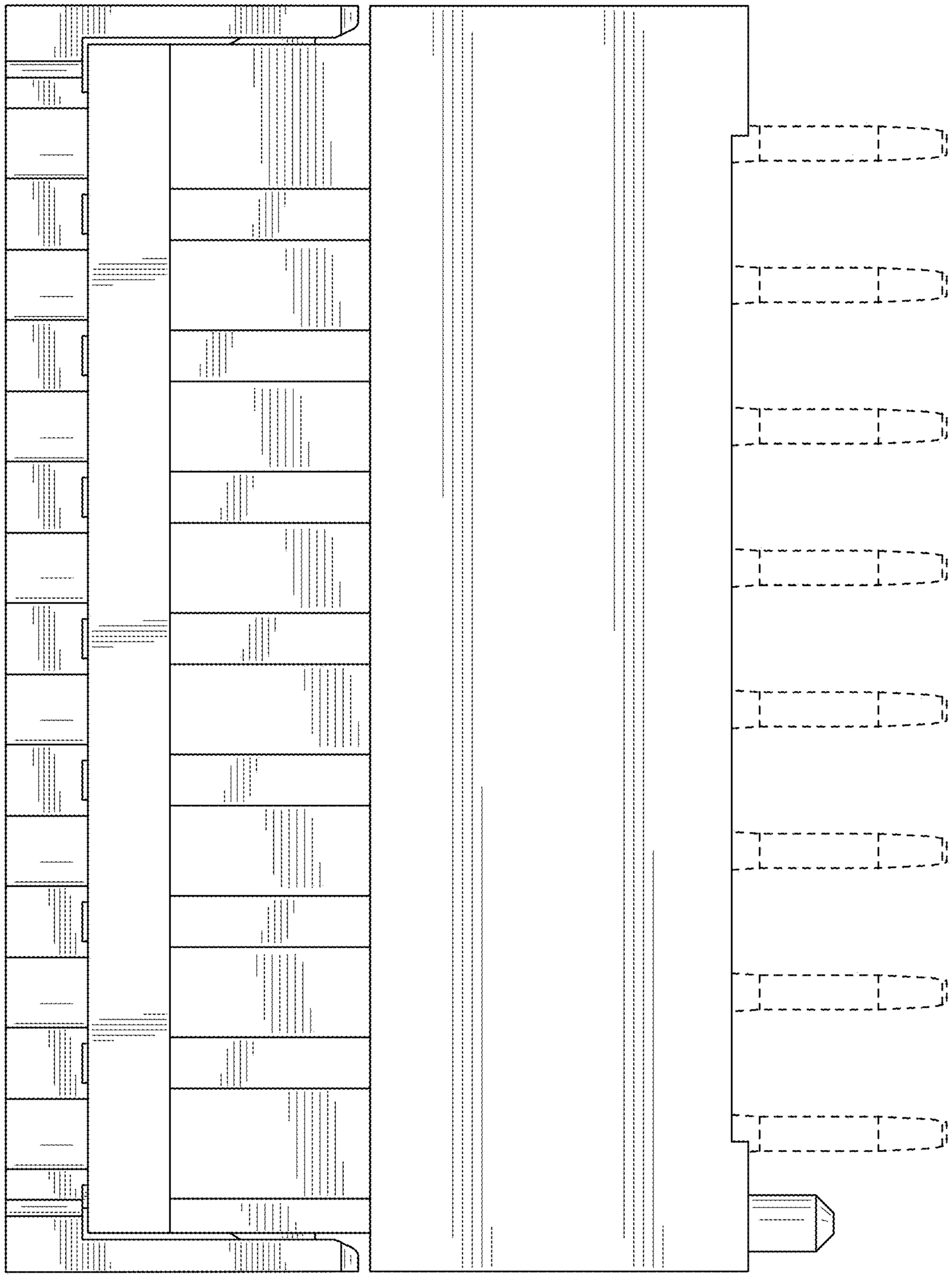


FIG. 104

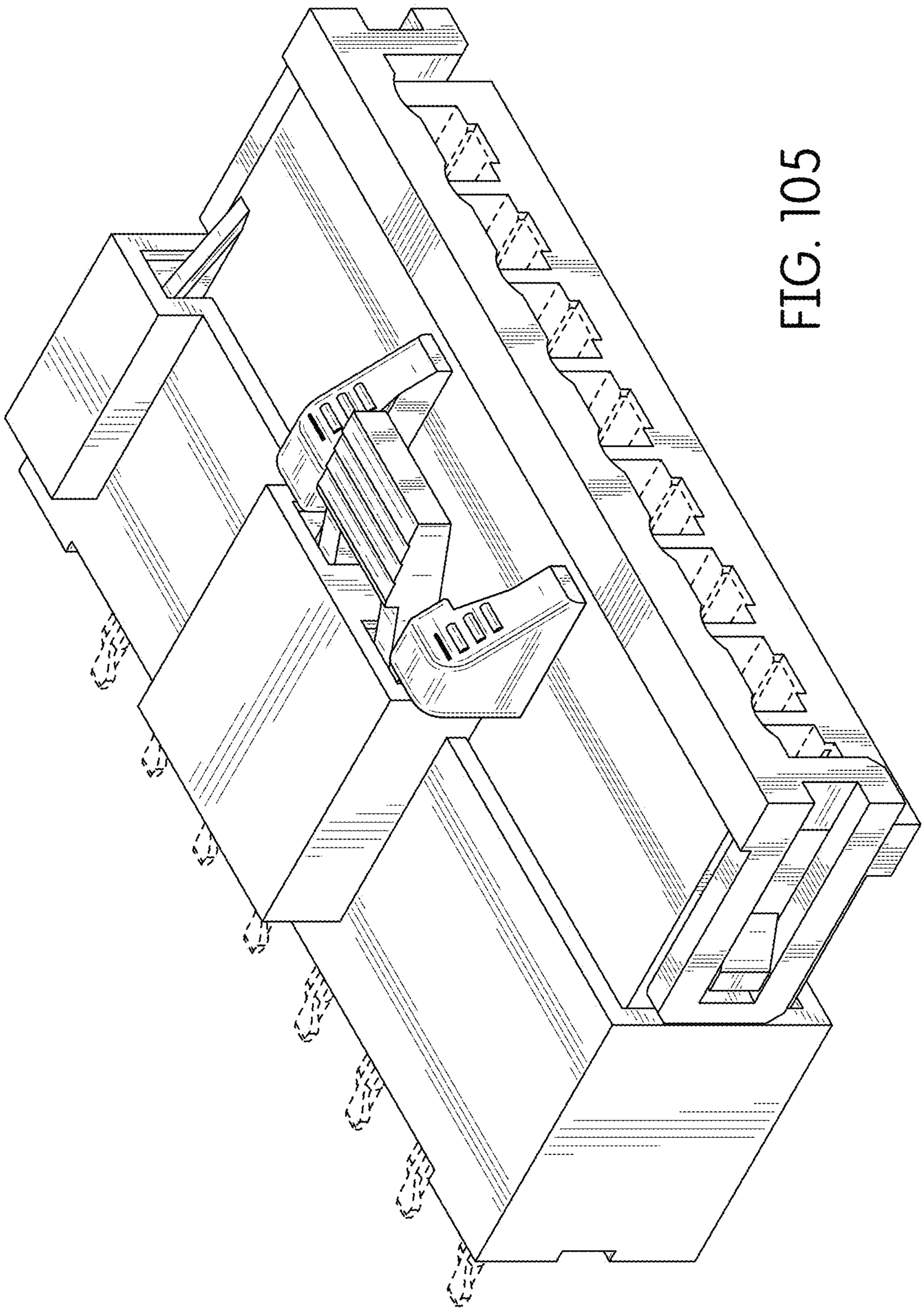


FIG. 105

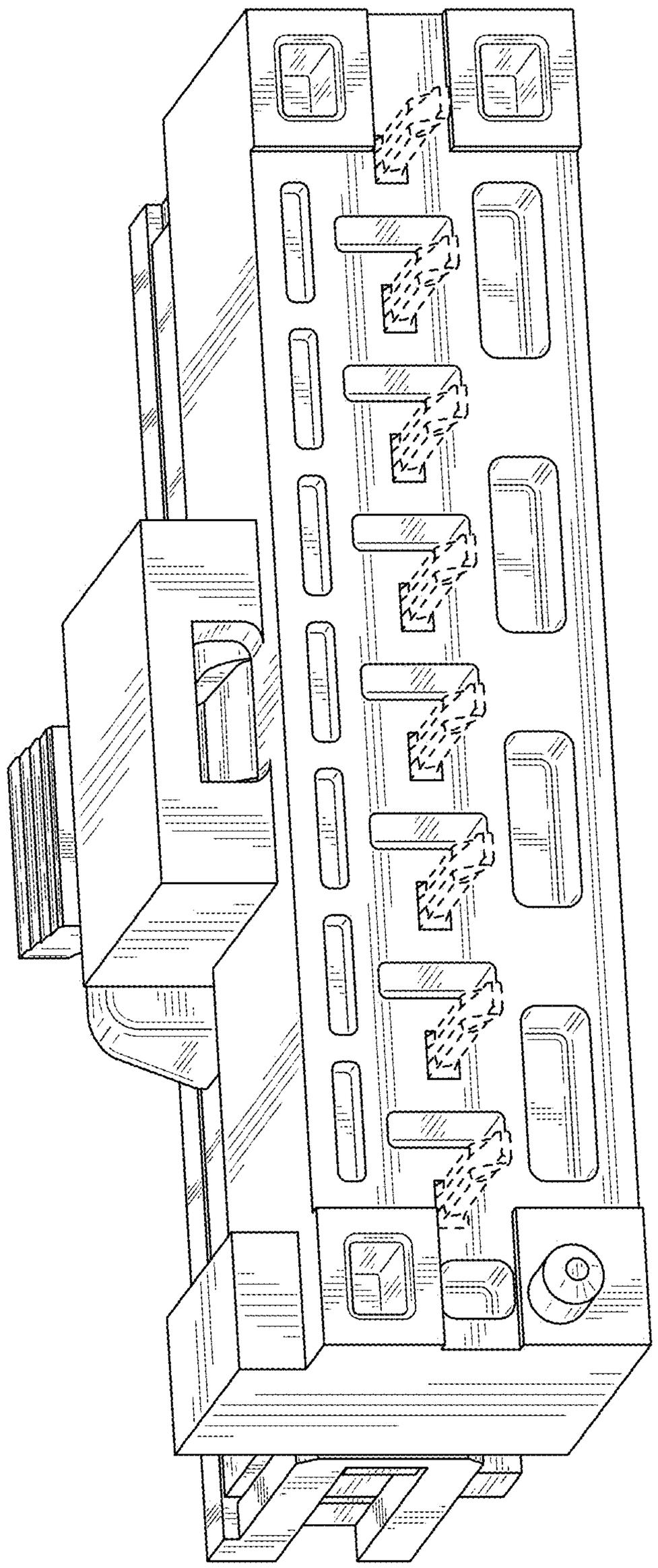


FIG. 106

FIG. 107

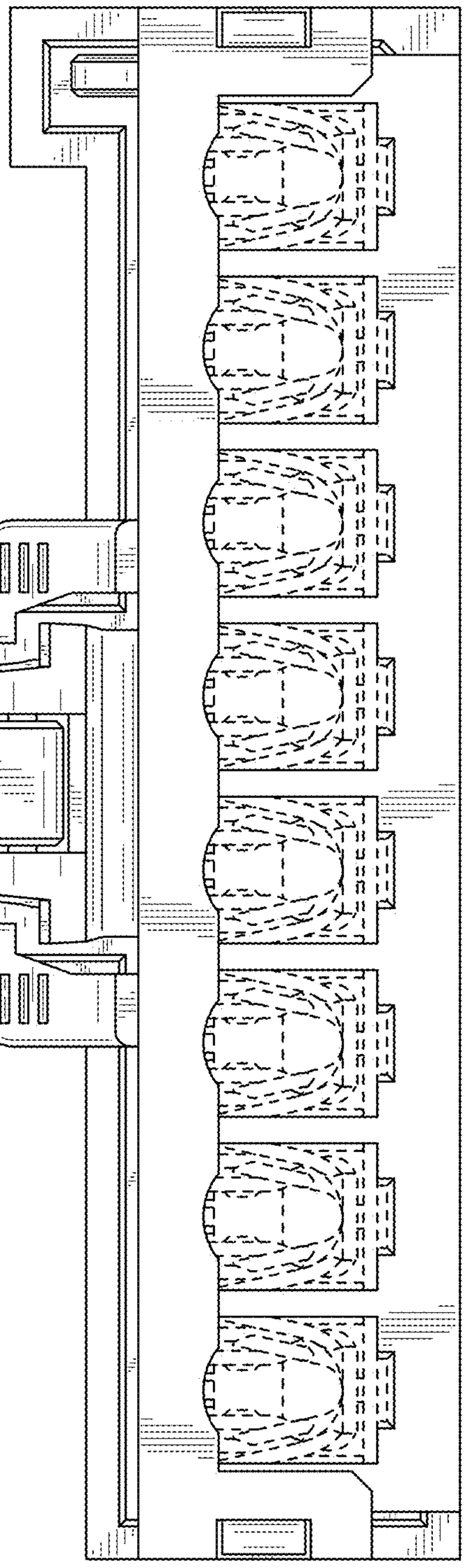


FIG. 108

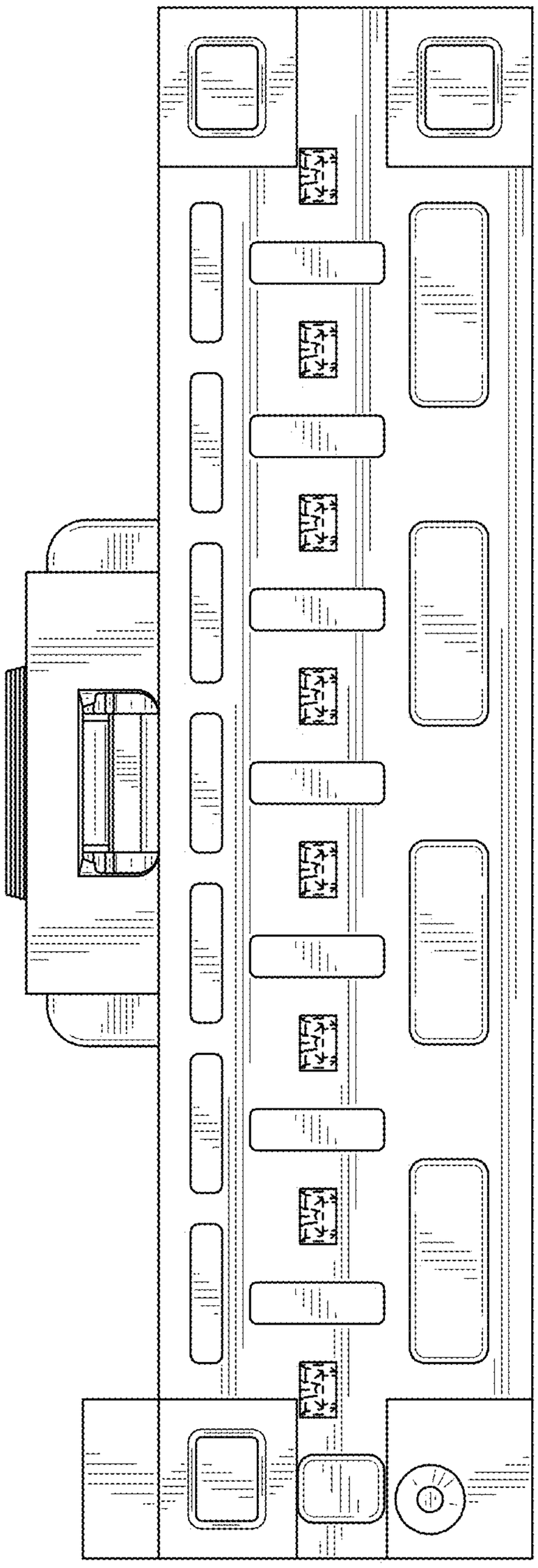


FIG. 109

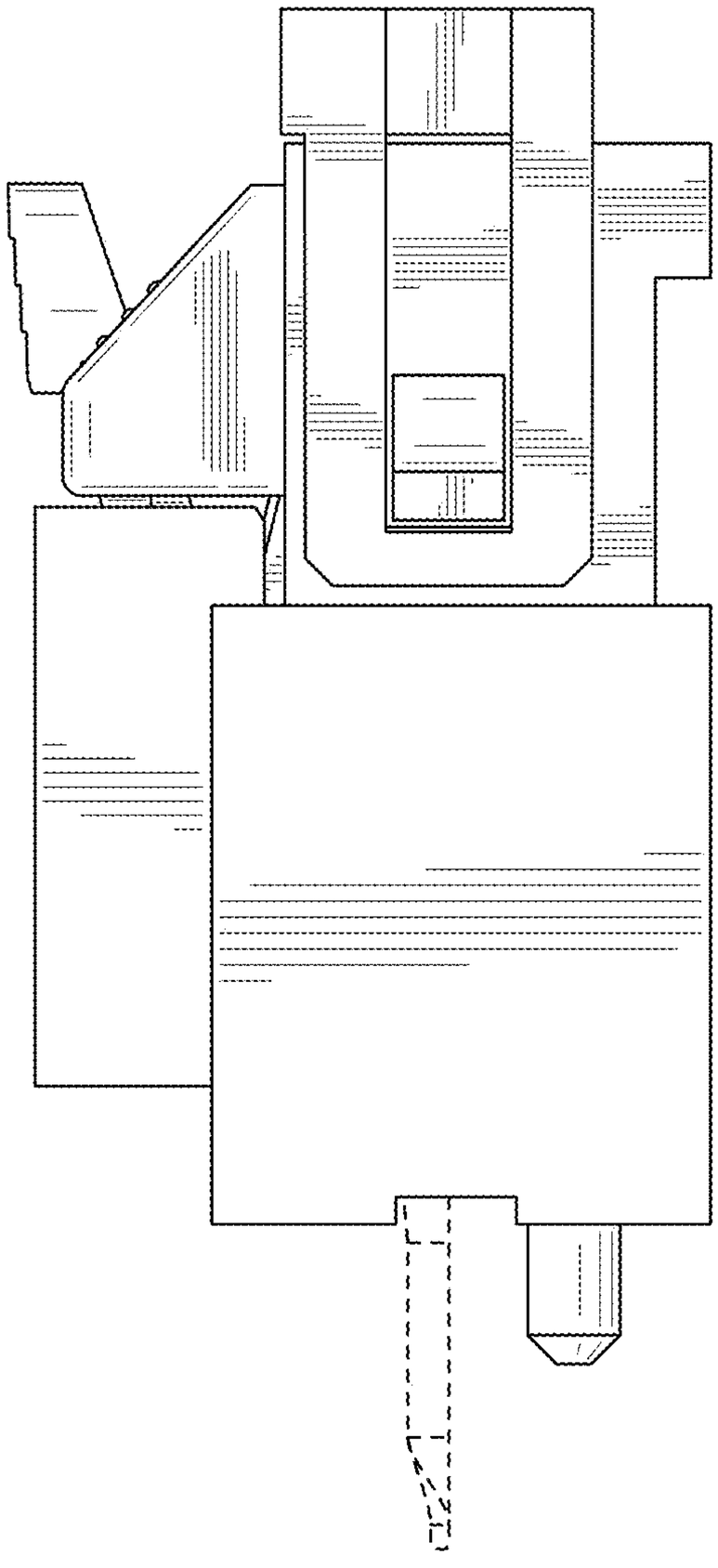
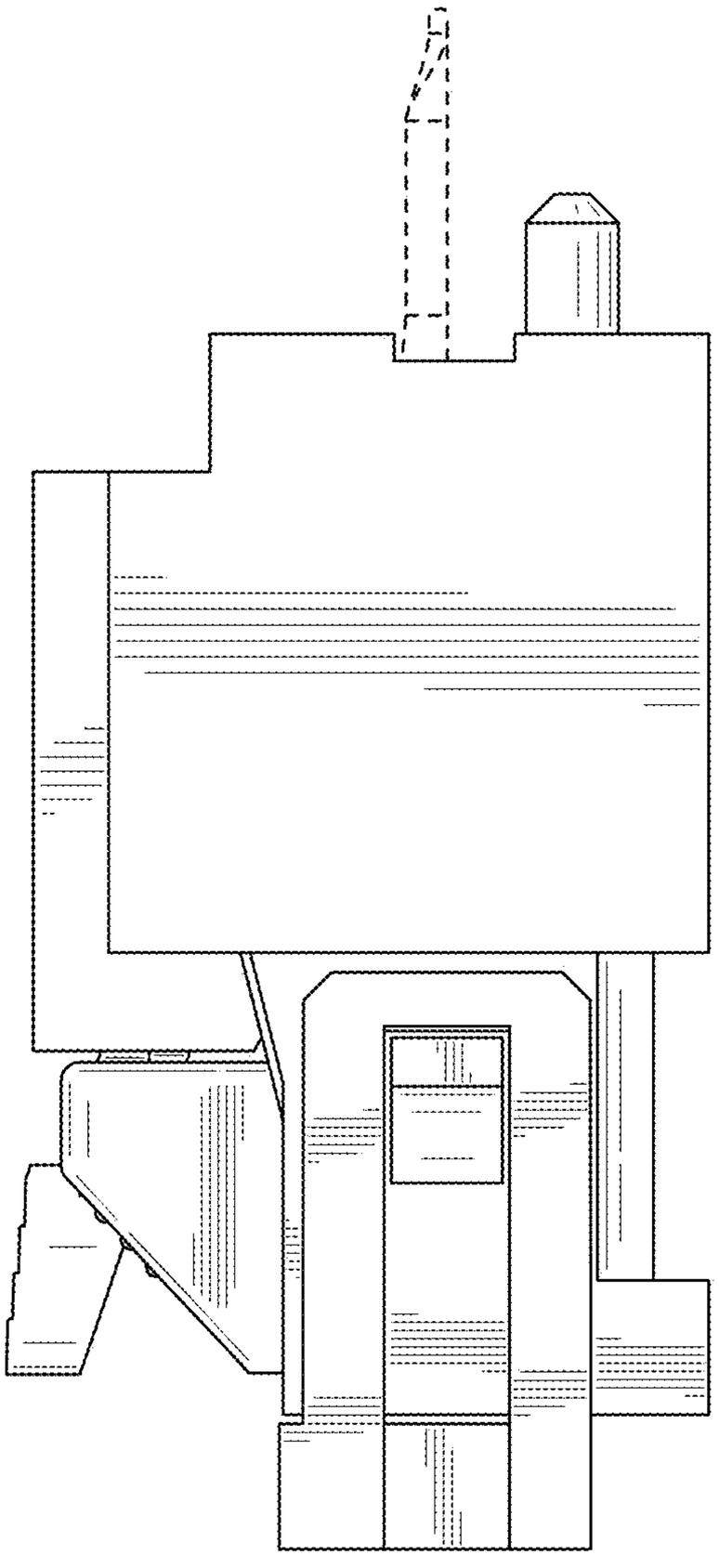


FIG. 110



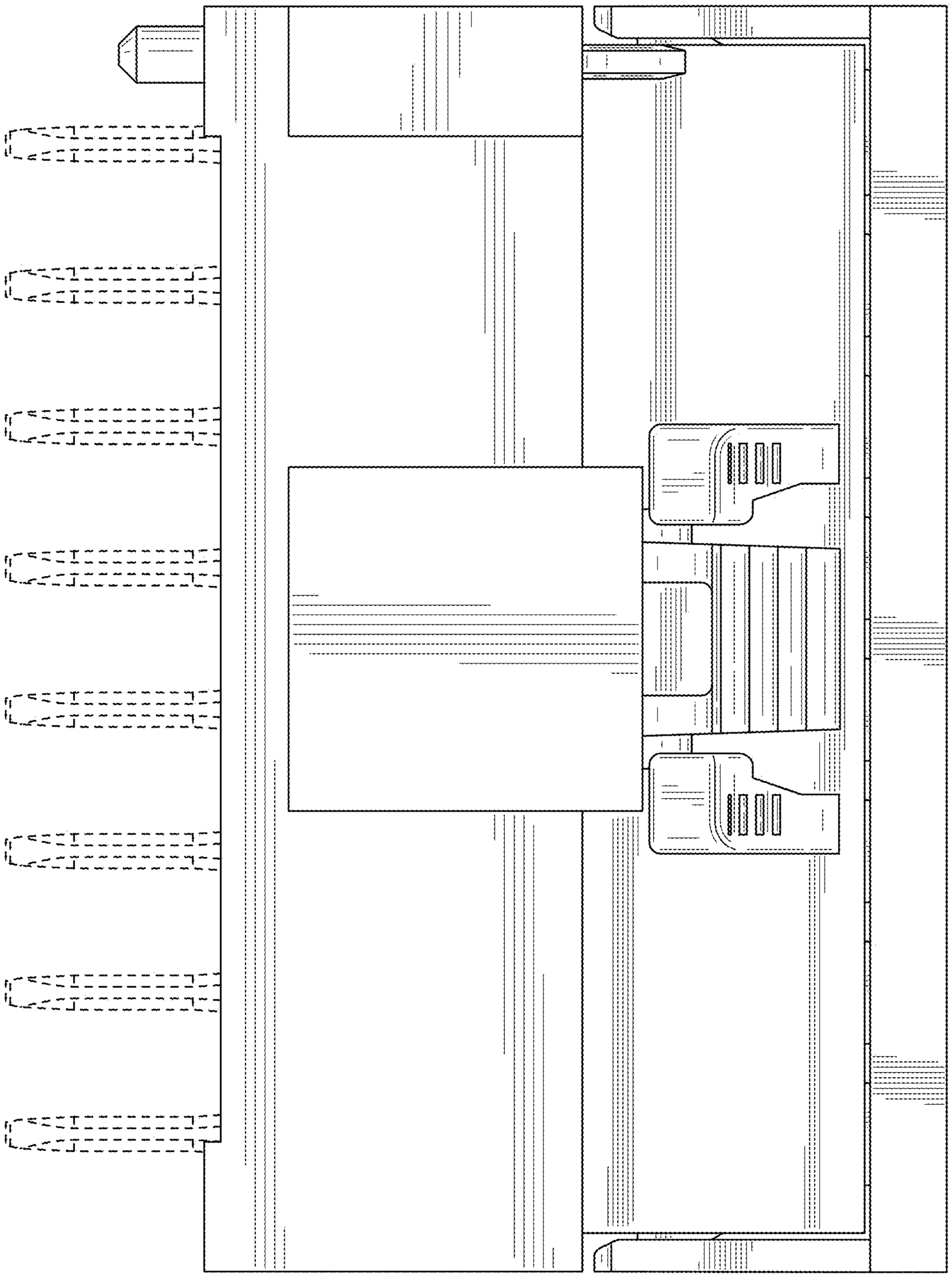


FIG. 111

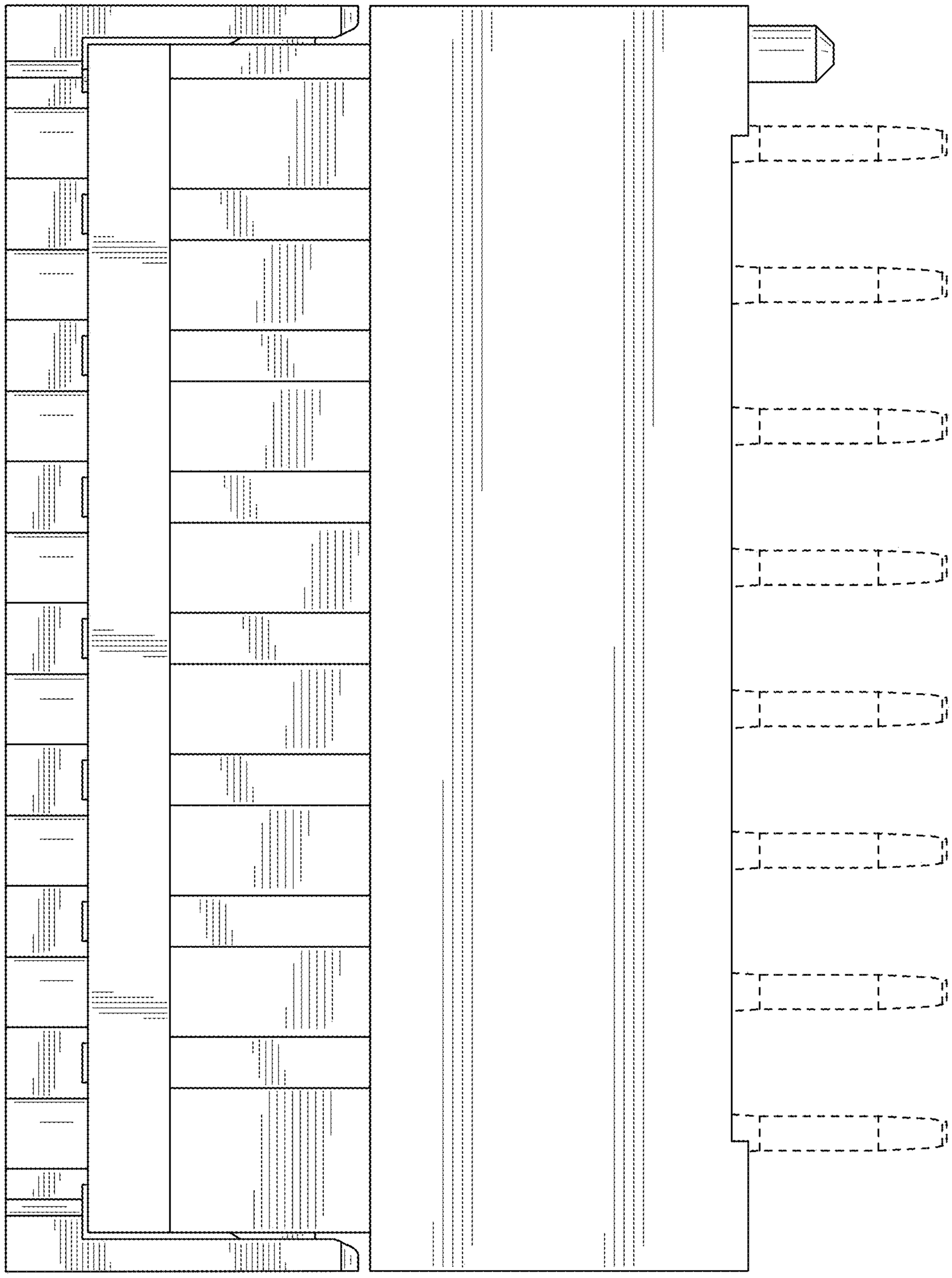


FIG. 112

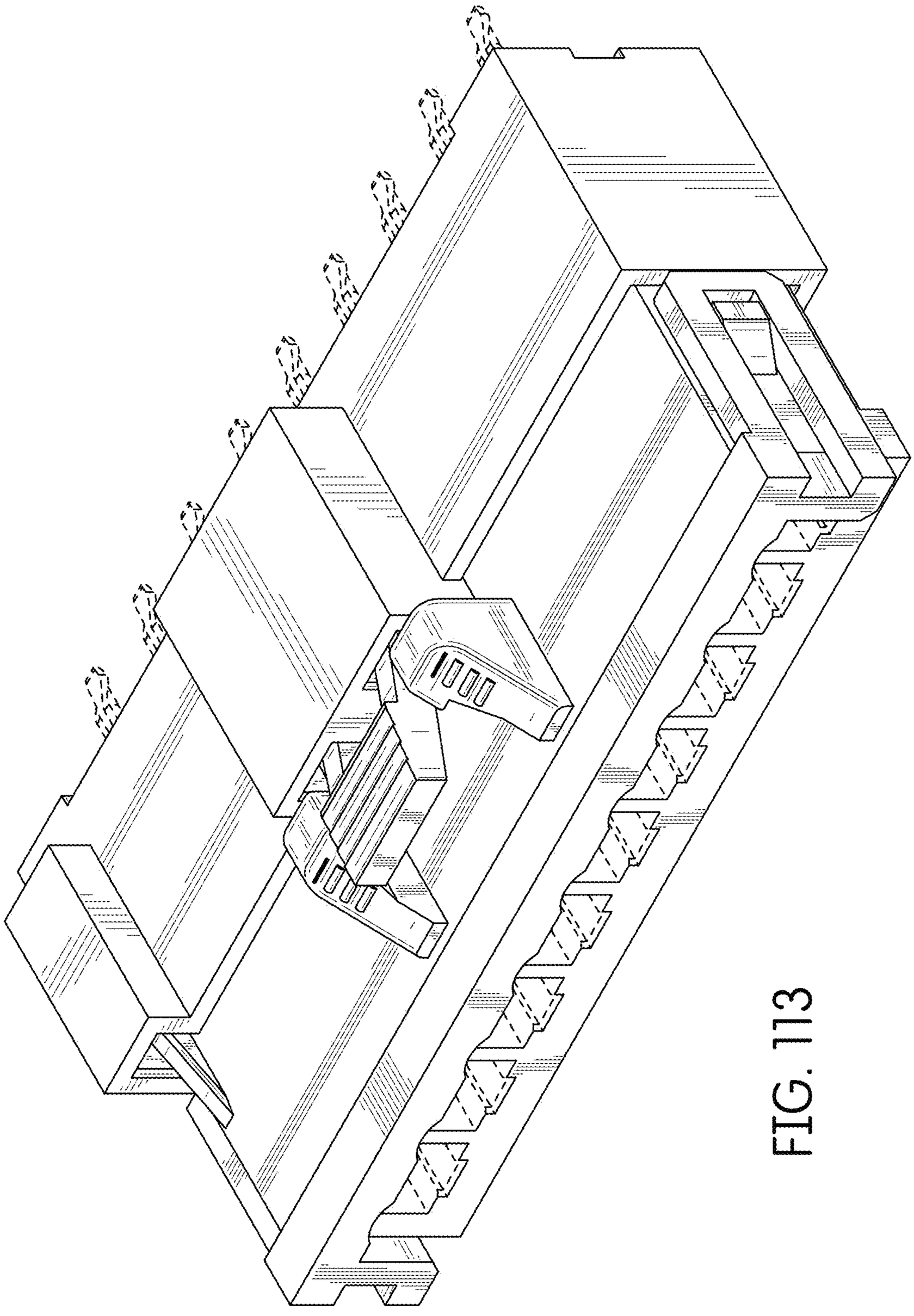


FIG. 113

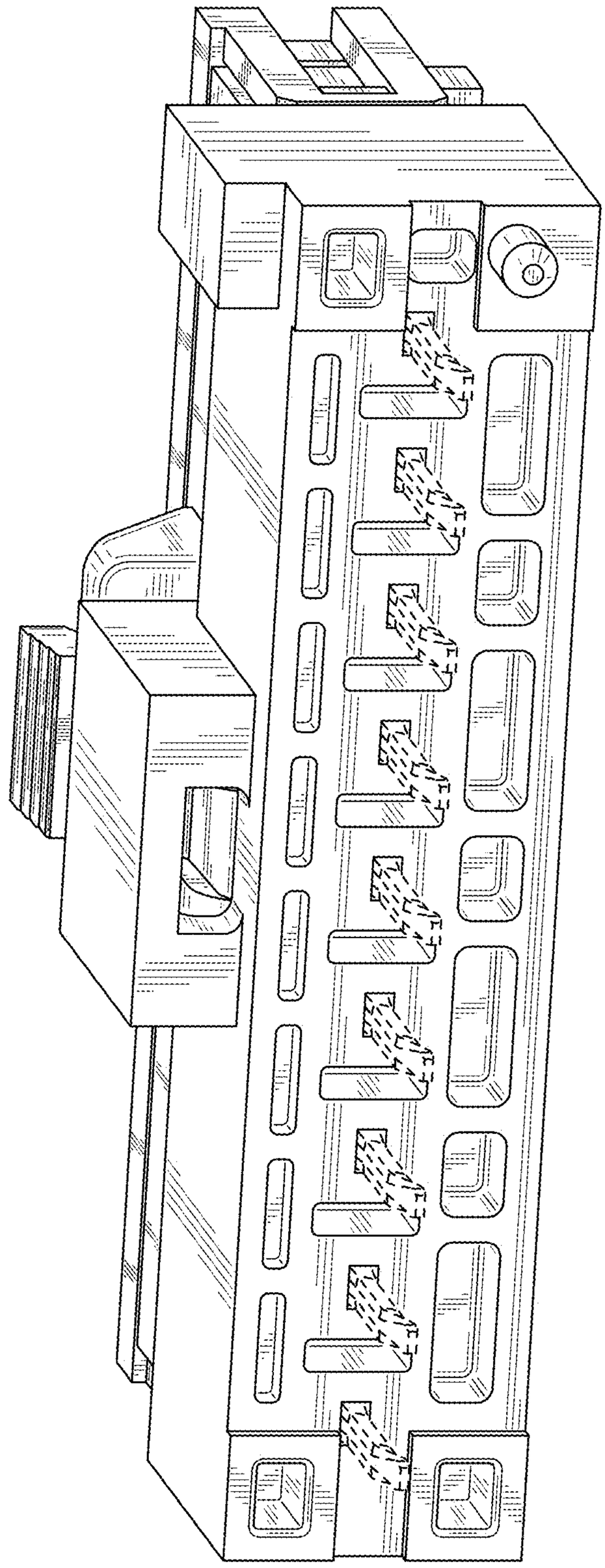


FIG. 114

FIG. 115

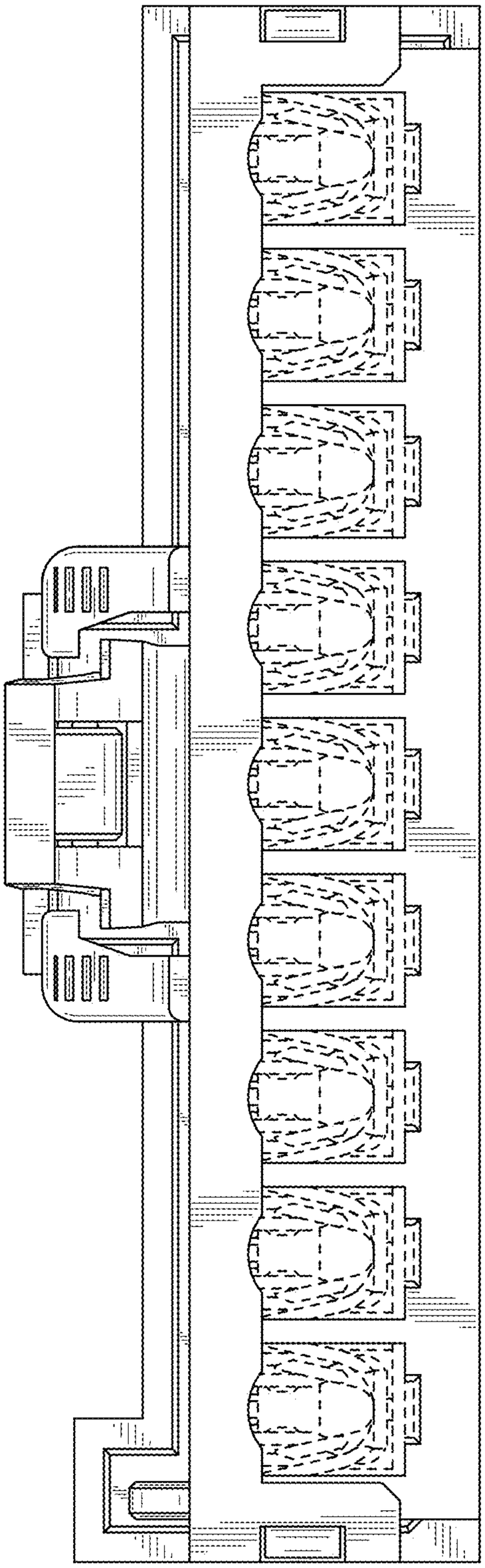


FIG. 116

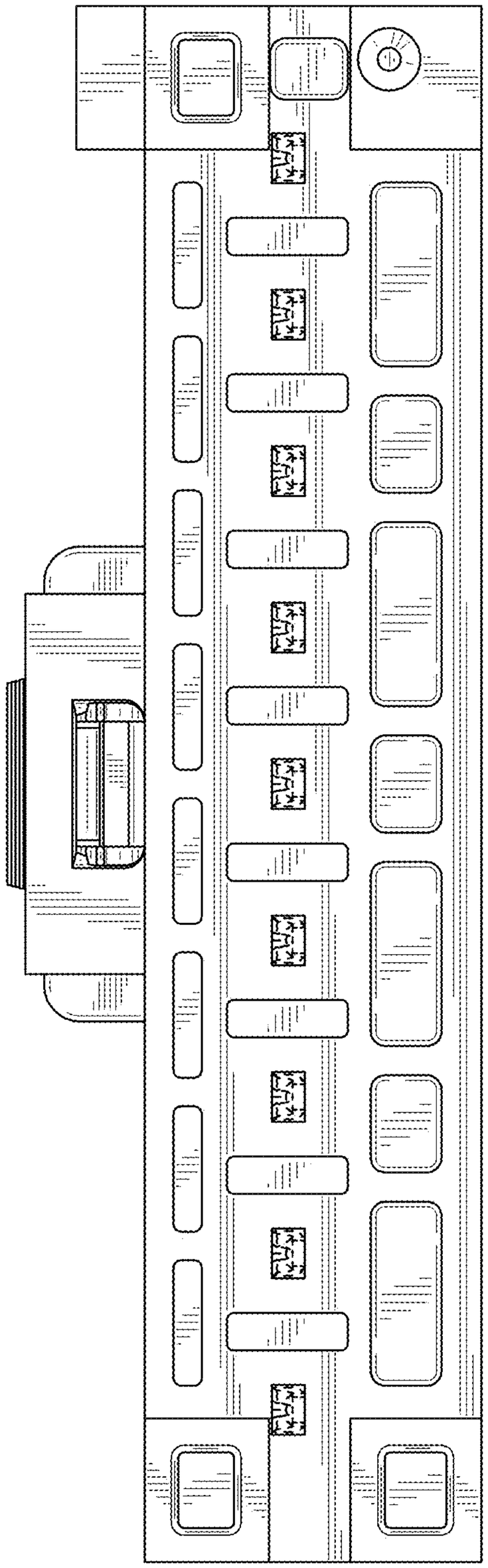


FIG. 117

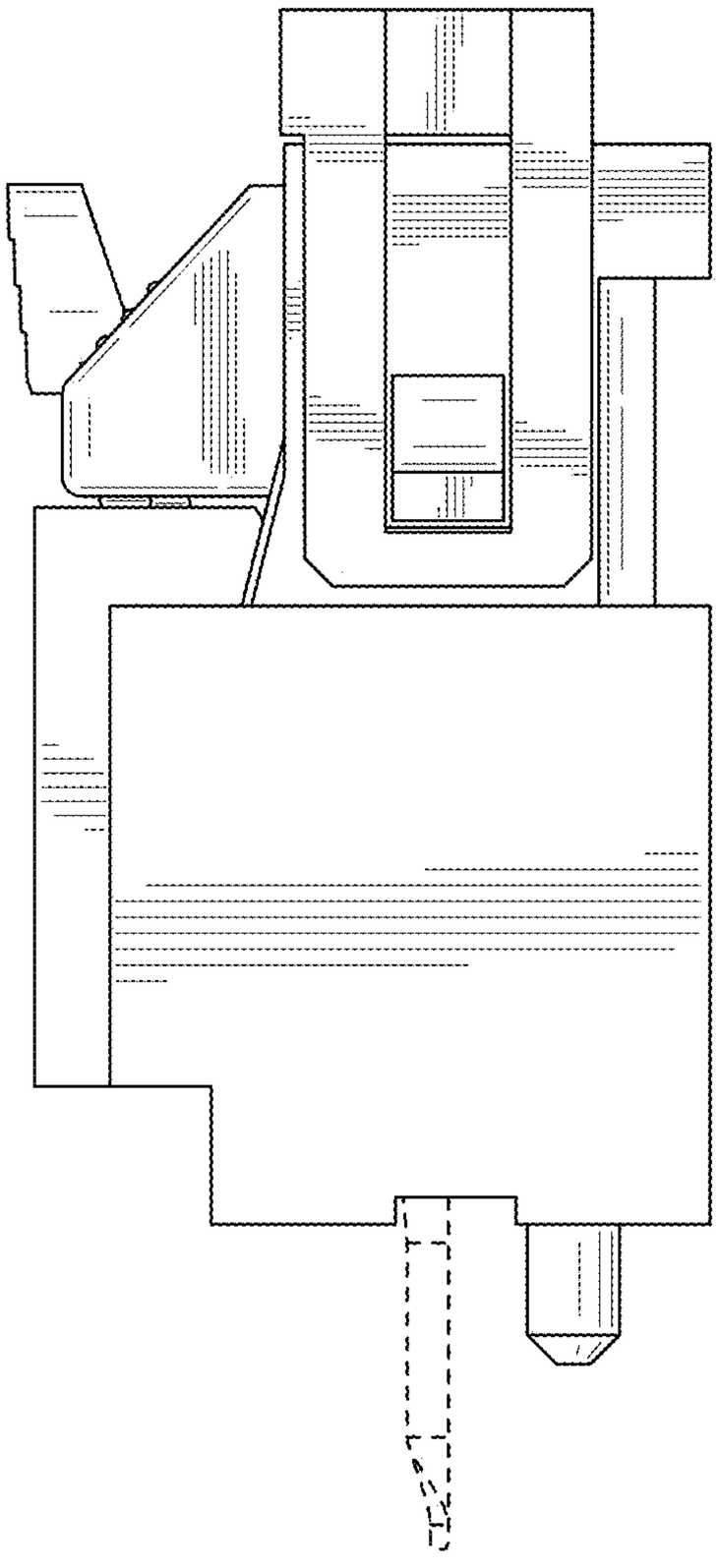
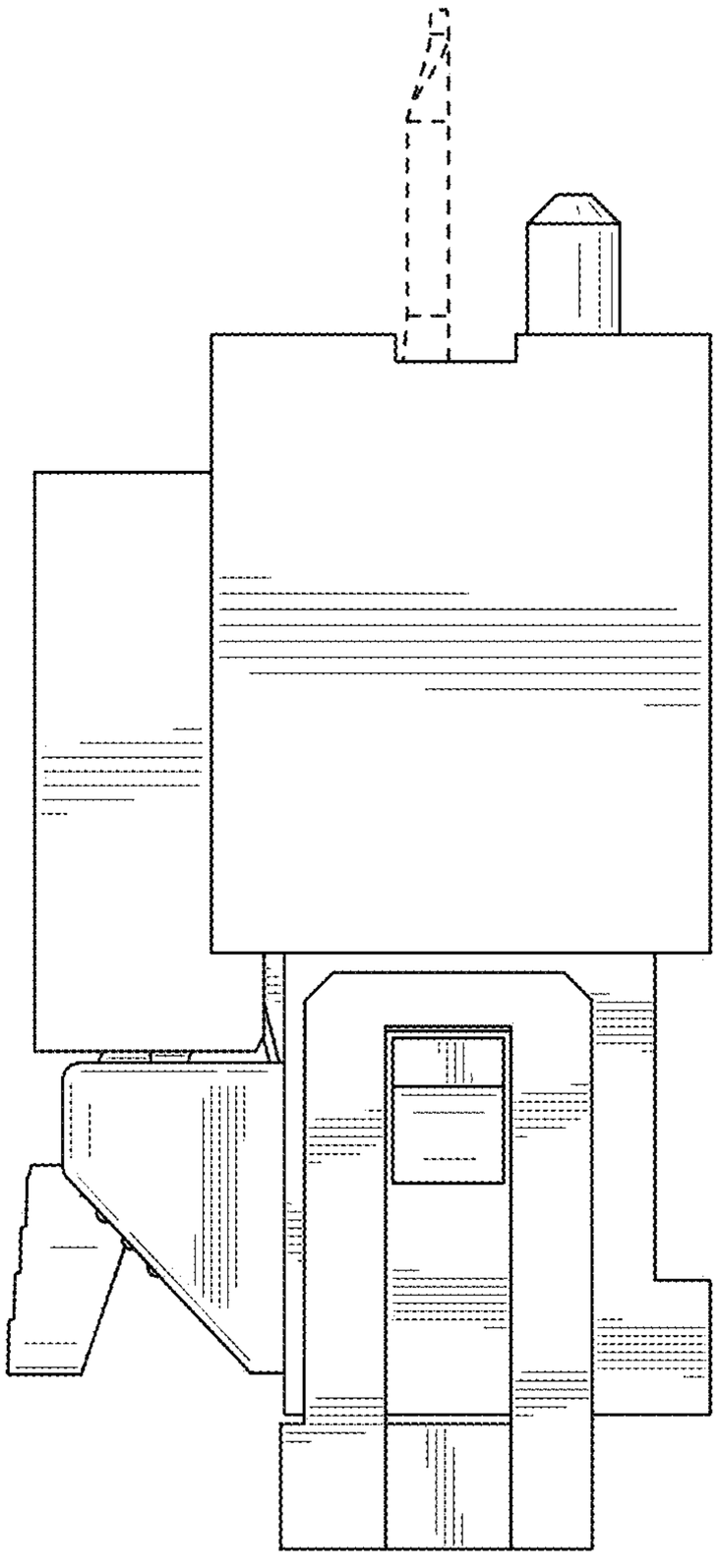


FIG. 118



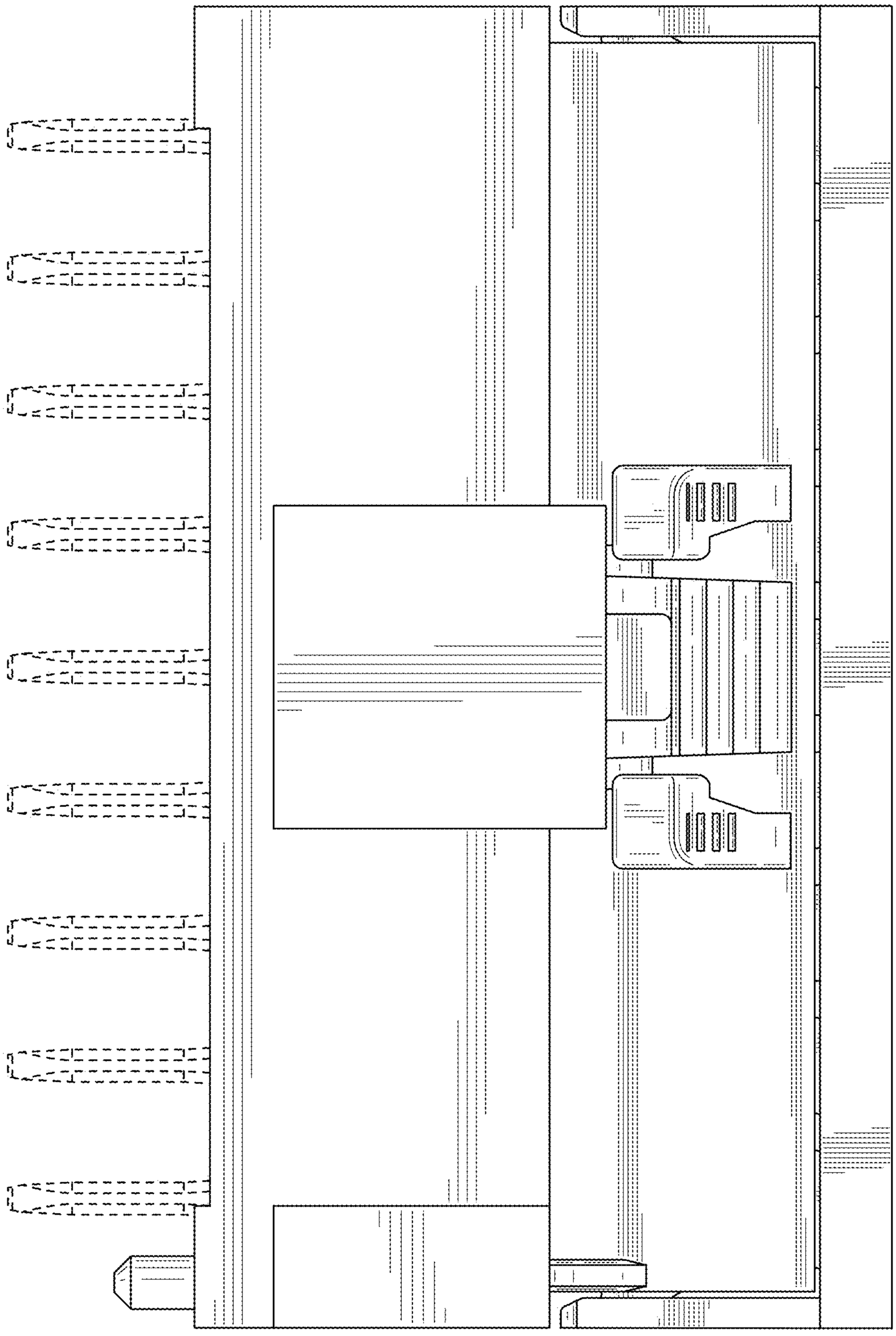


FIG. 119

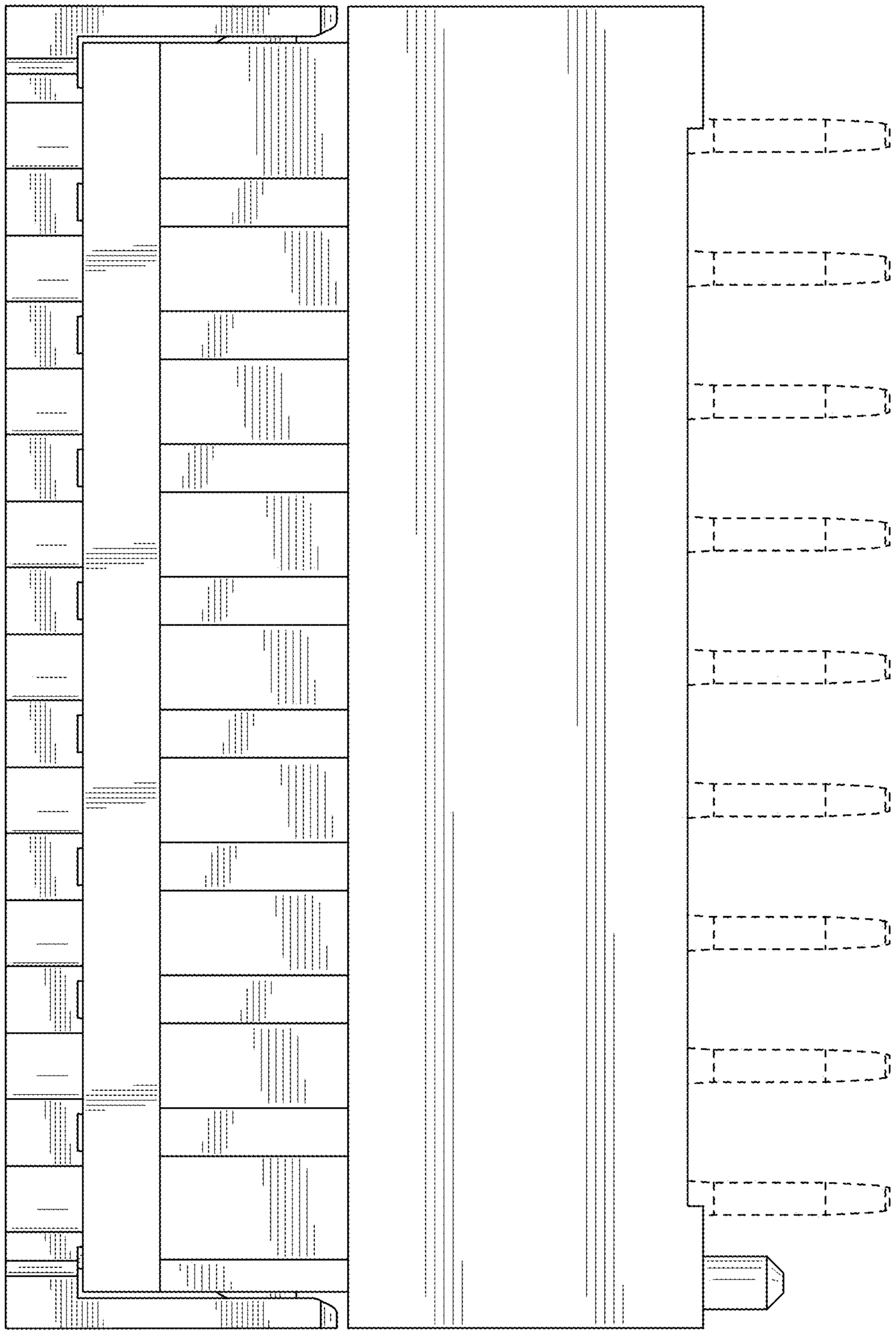


FIG. 120

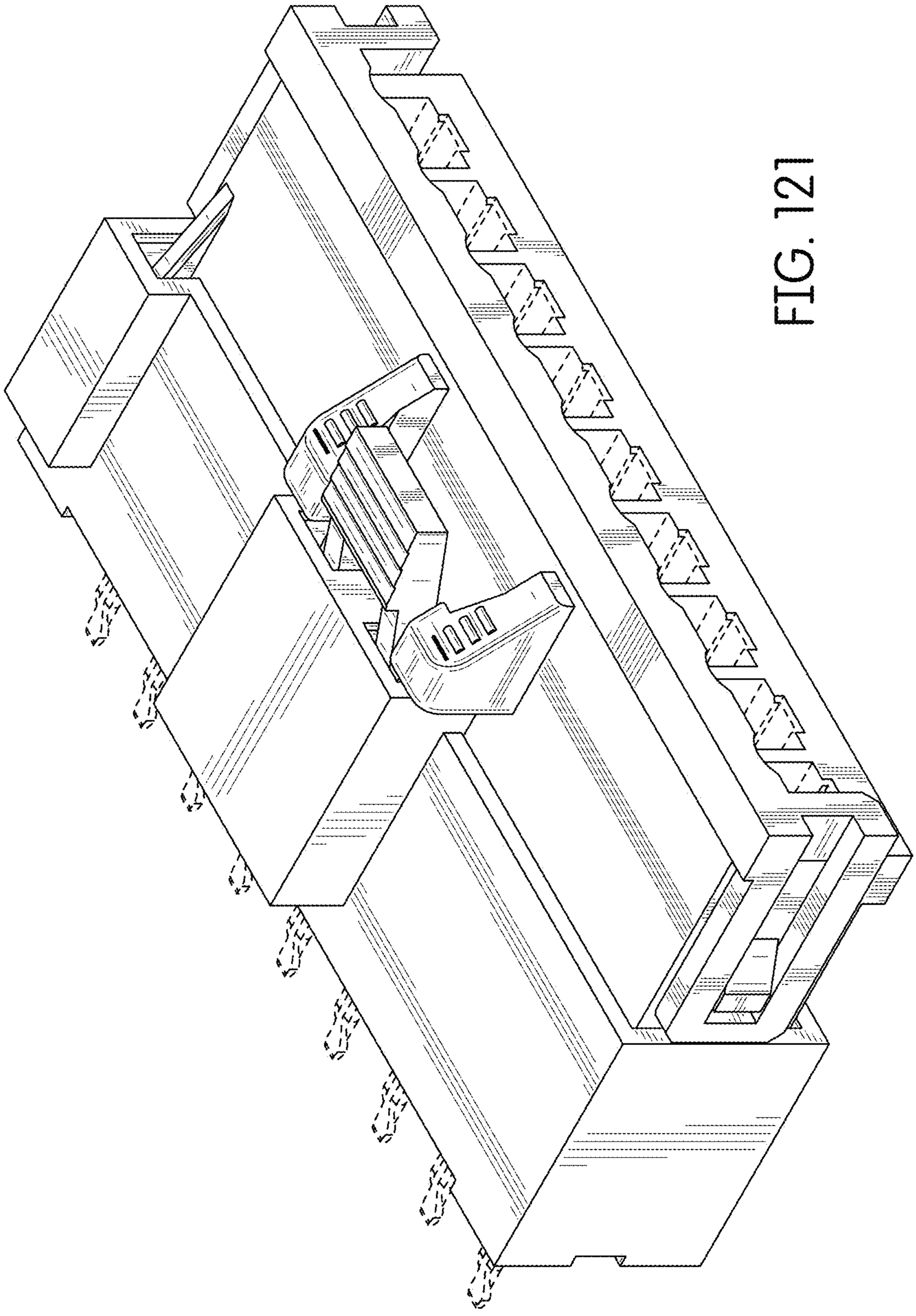


FIG. 121

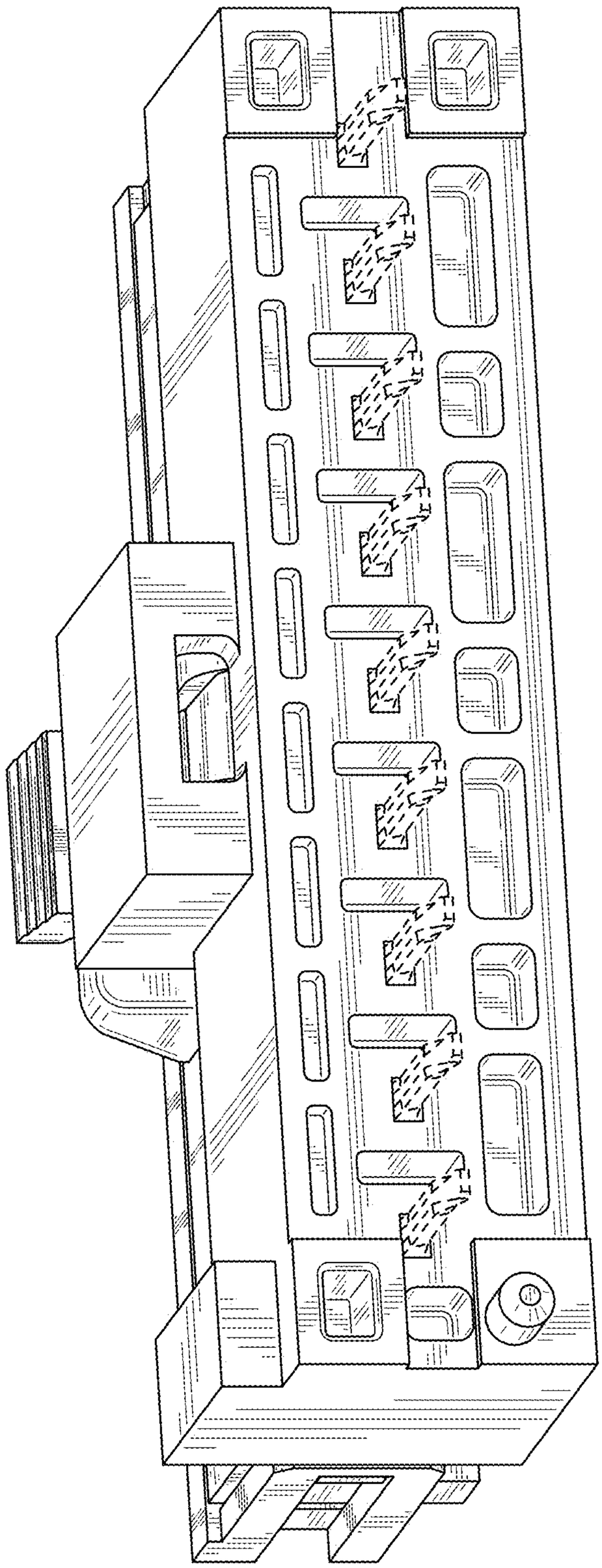


FIG. 122

FIG. 123

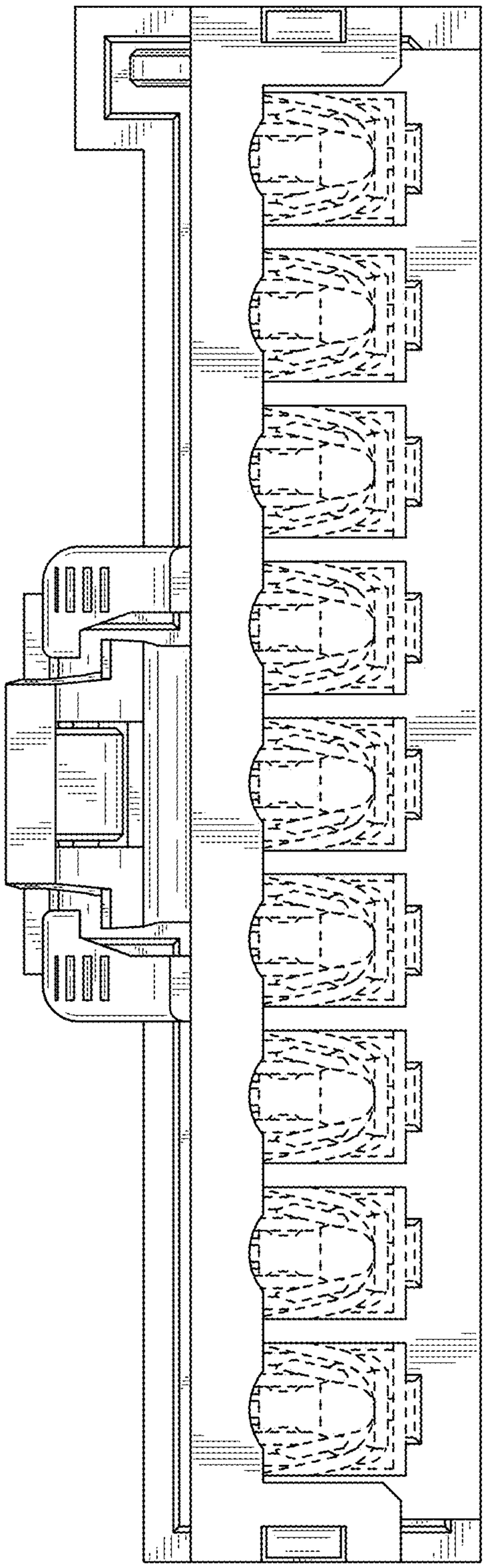


FIG. 124

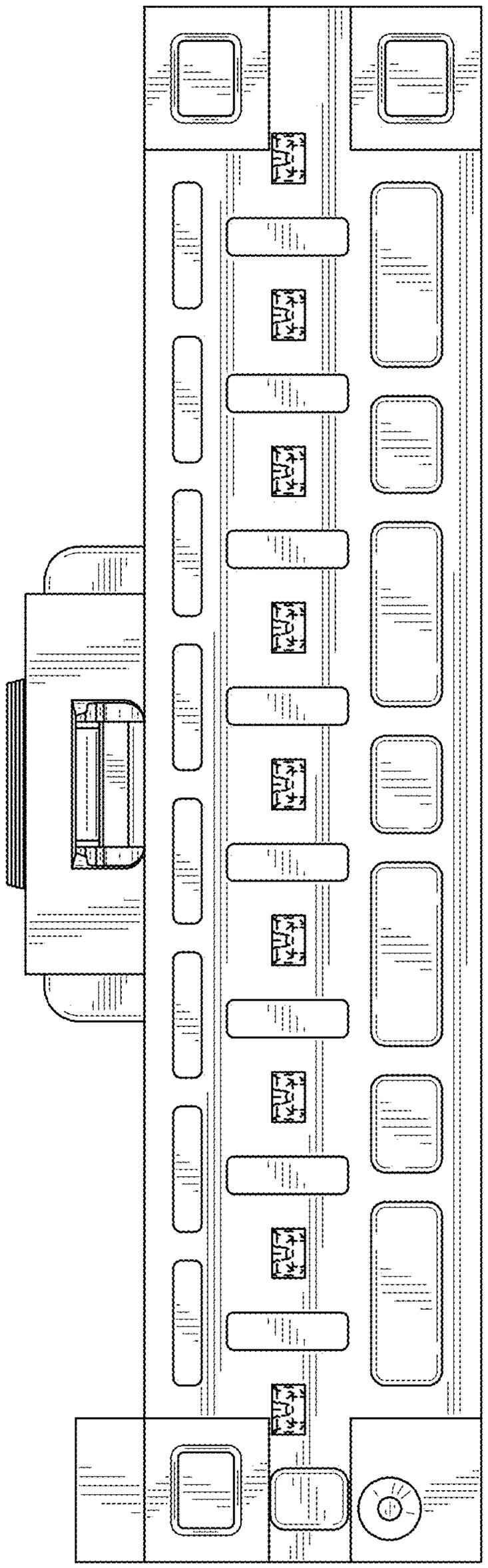


FIG. 125

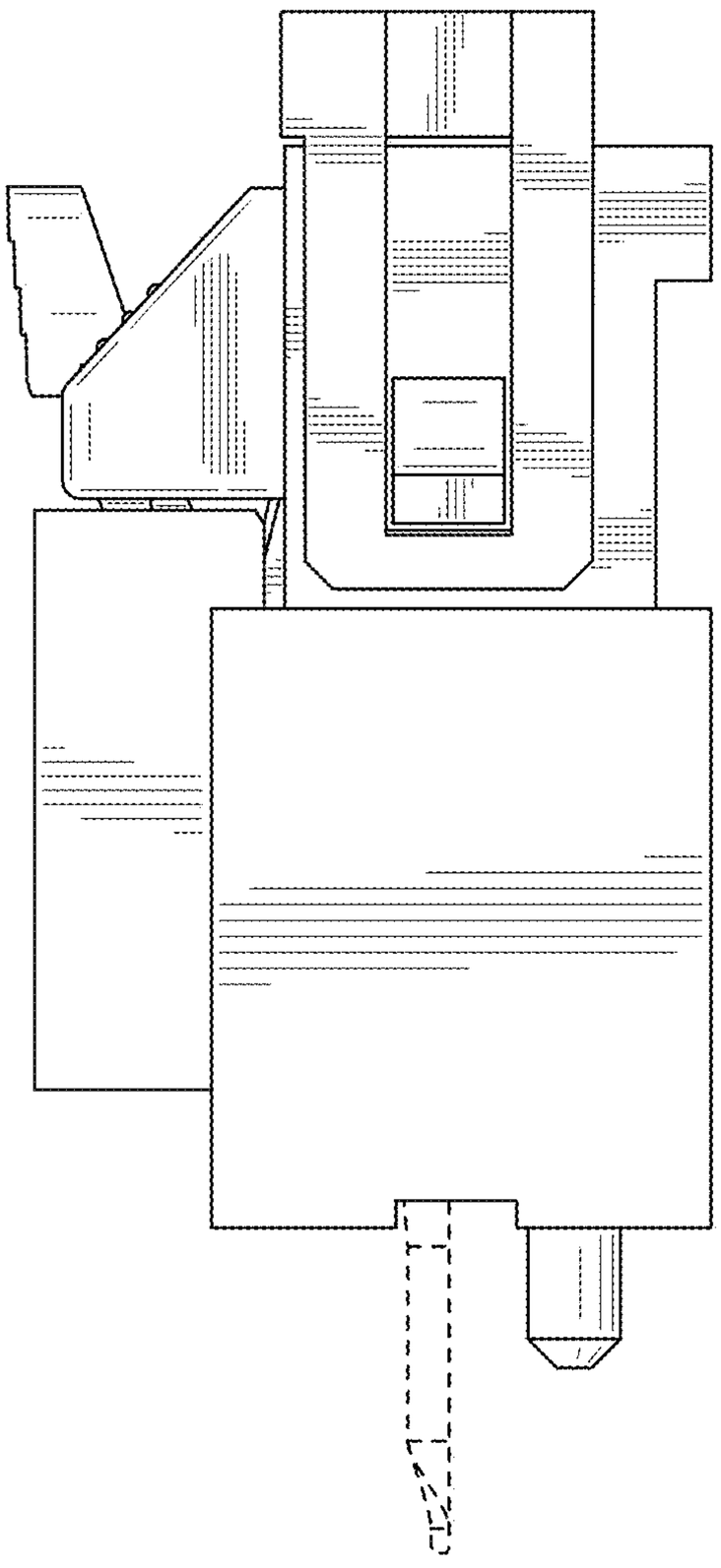
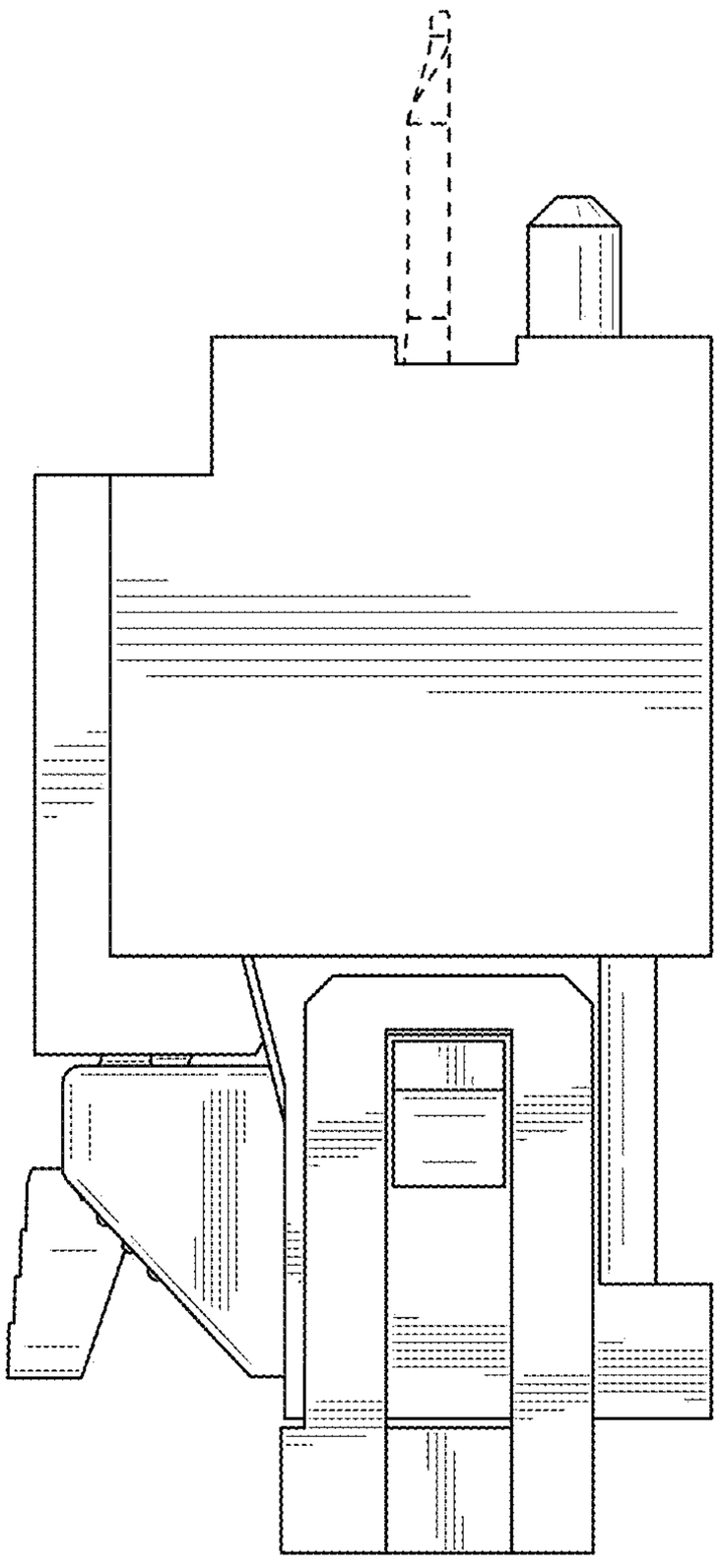


FIG. 126



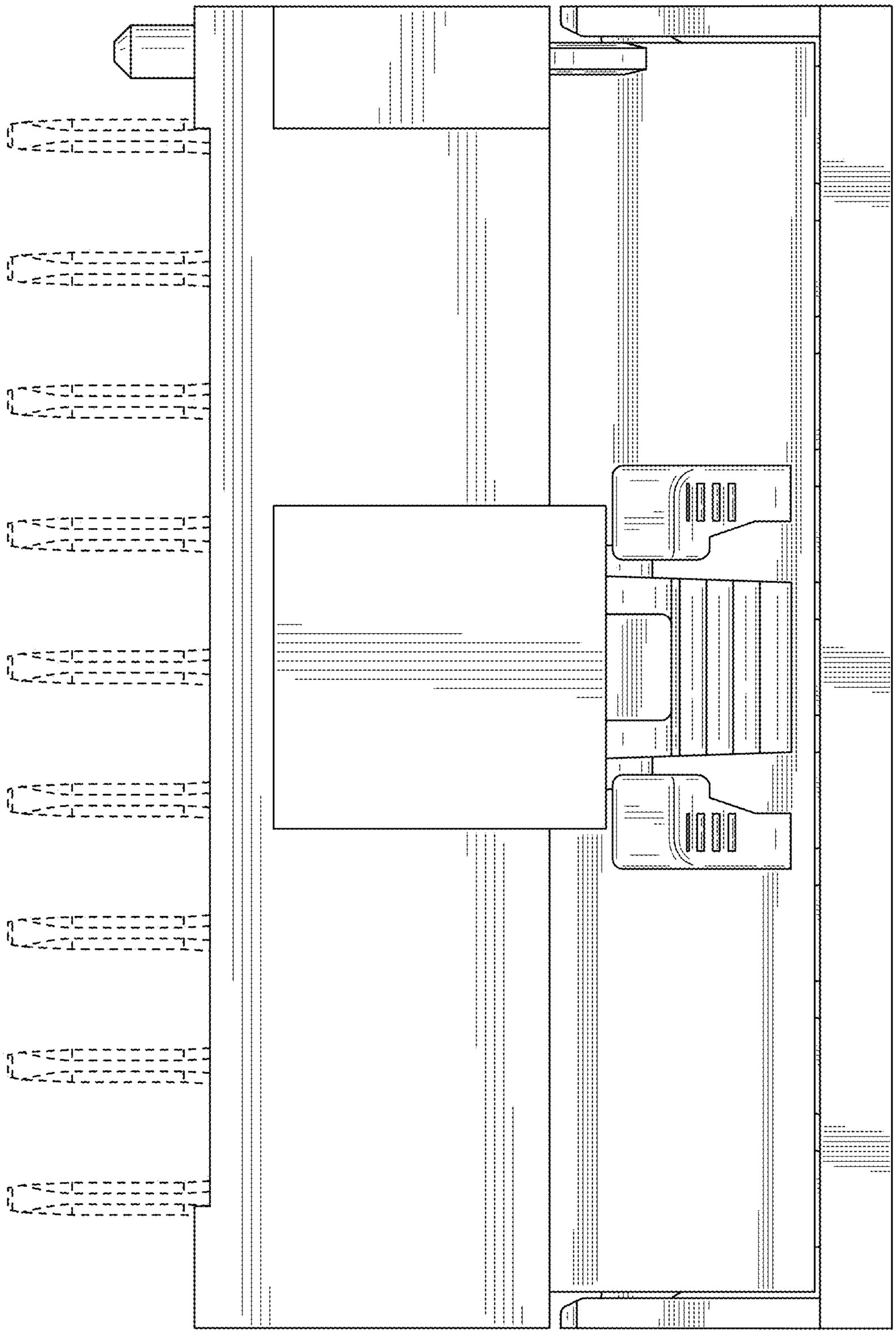


FIG. 127

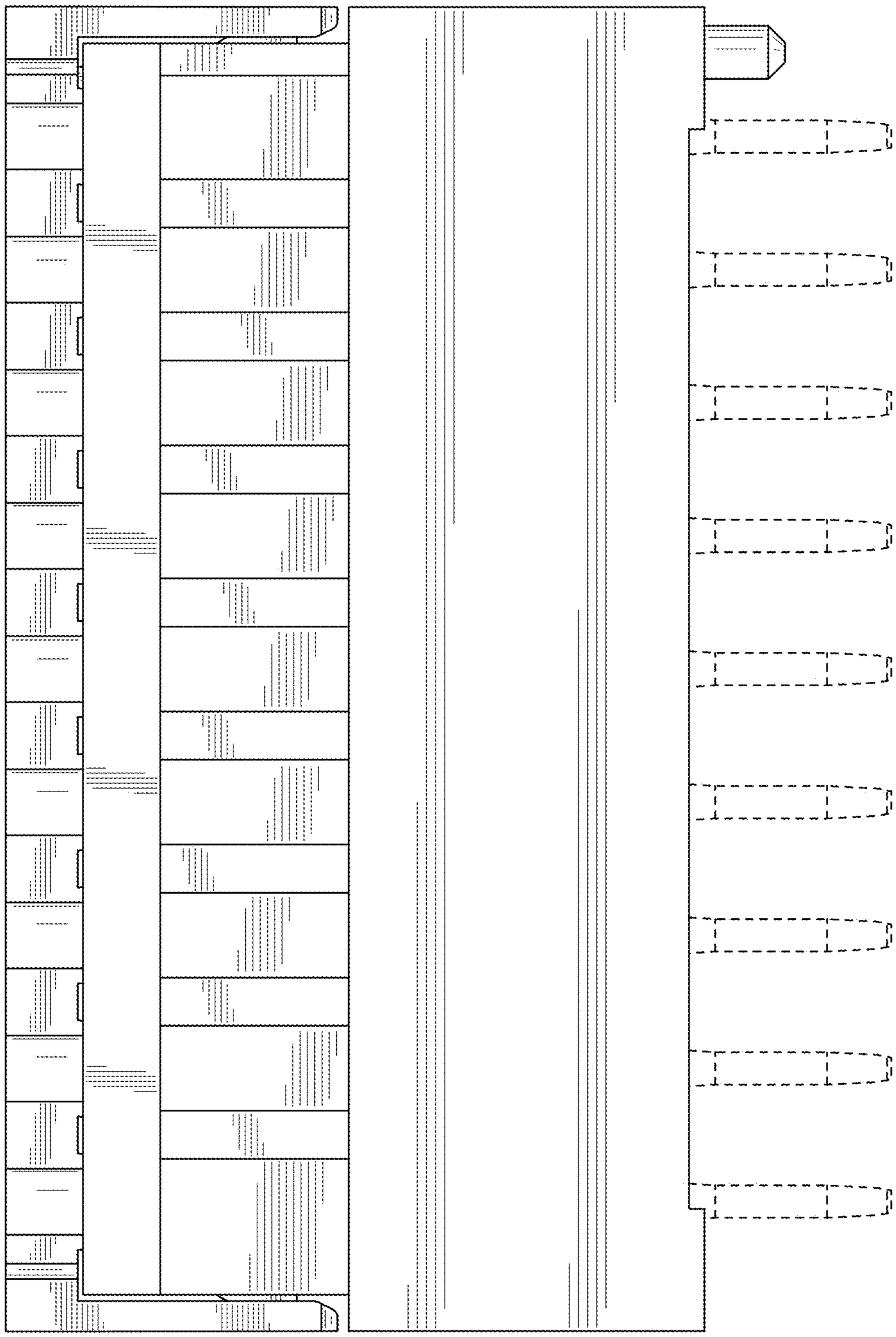


FIG. 128

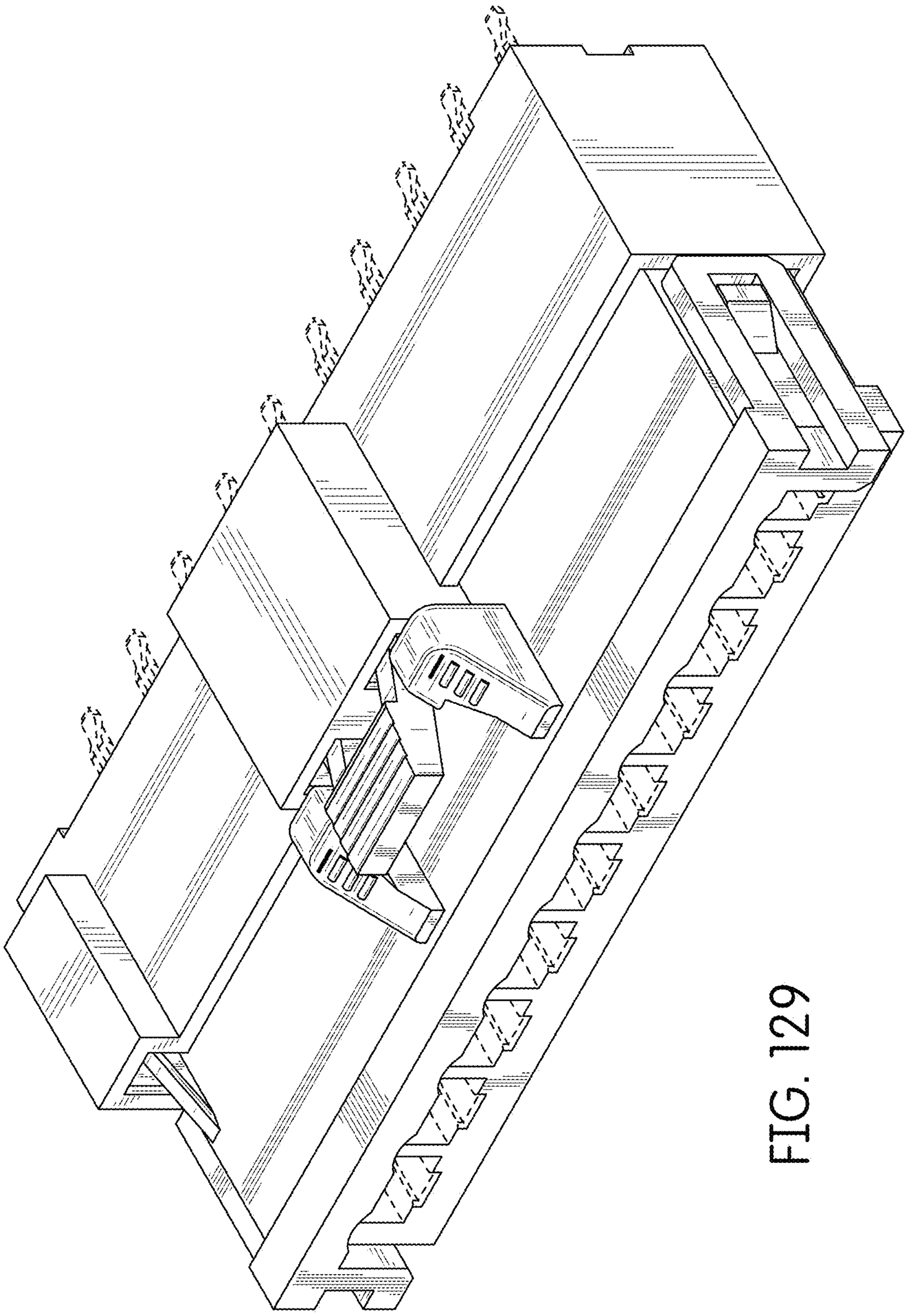


FIG. 129

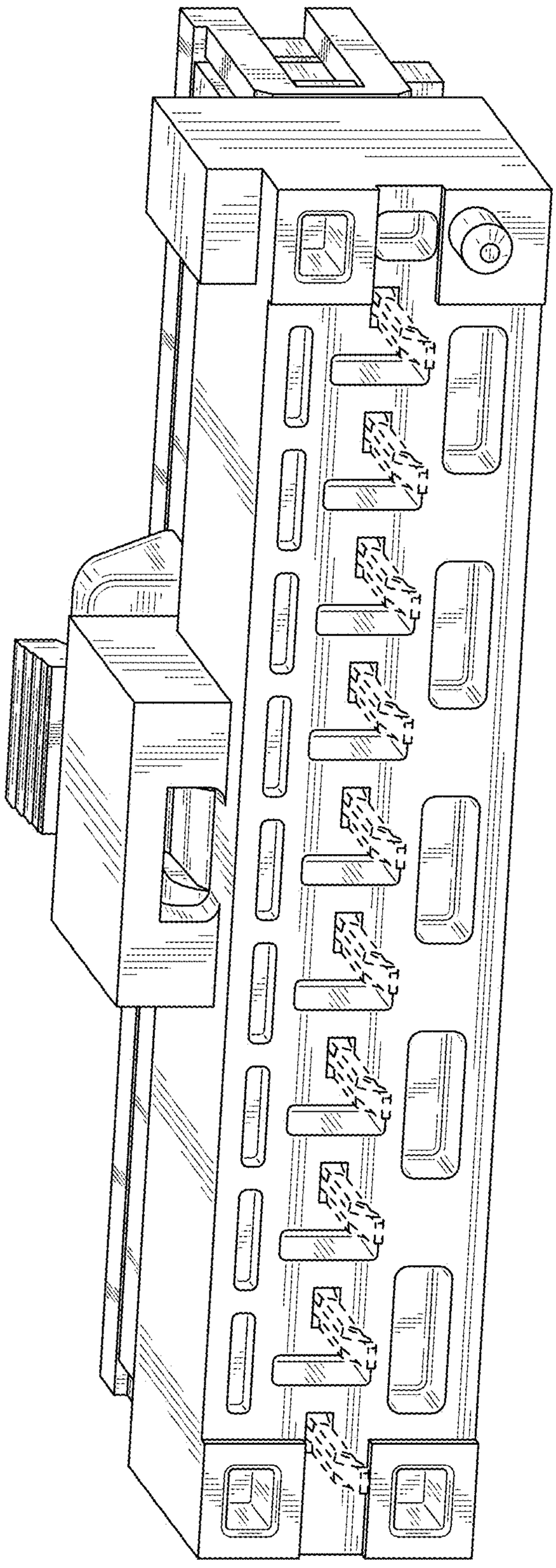


FIG. 130

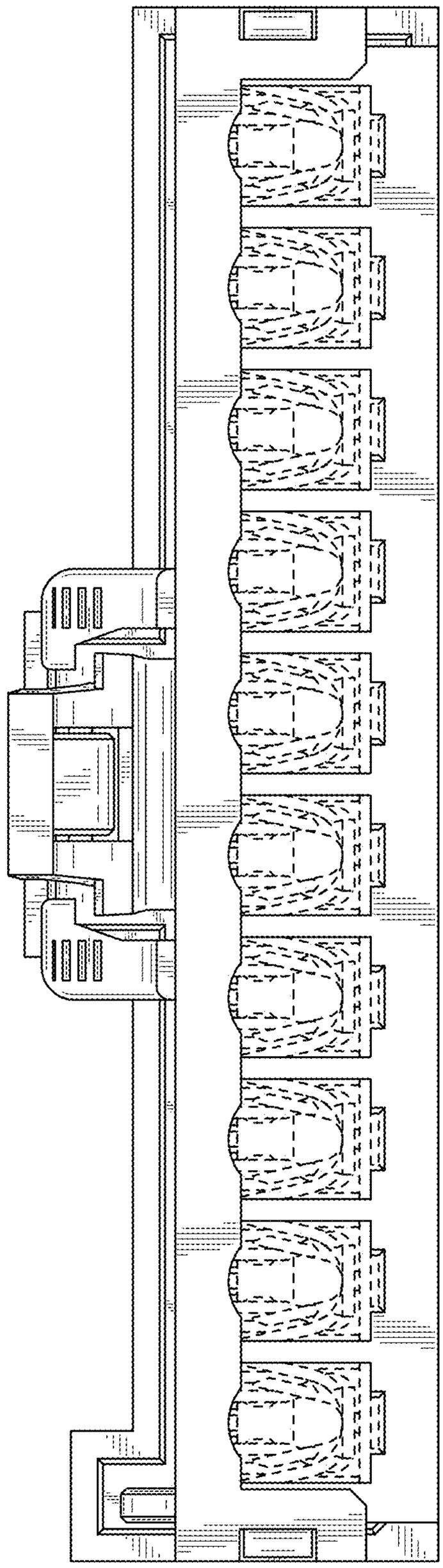


FIG. 131

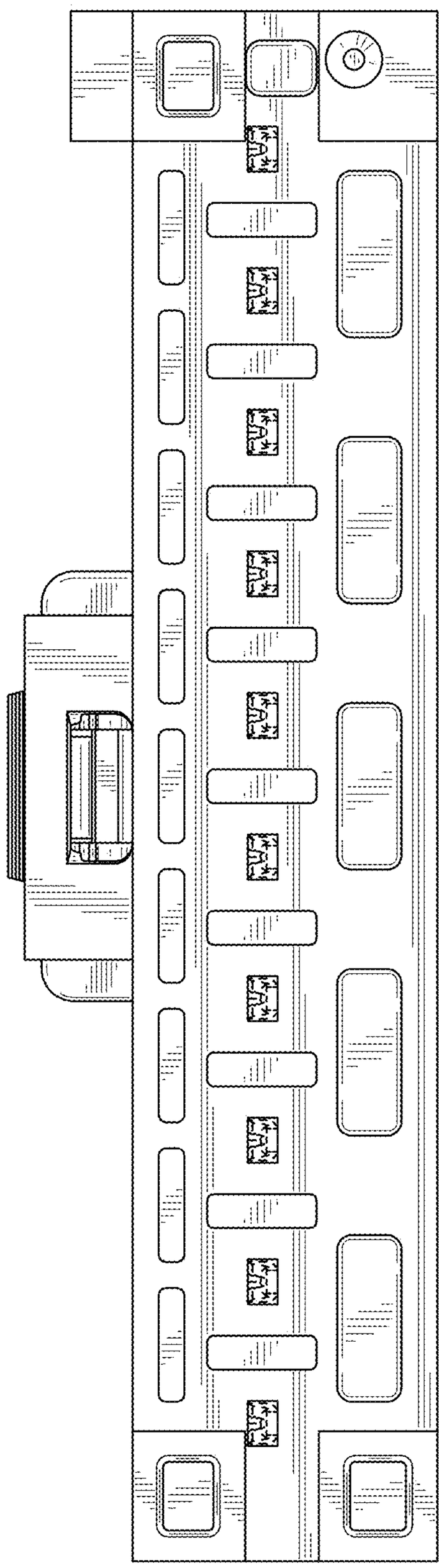


FIG. 132

FIG. 133

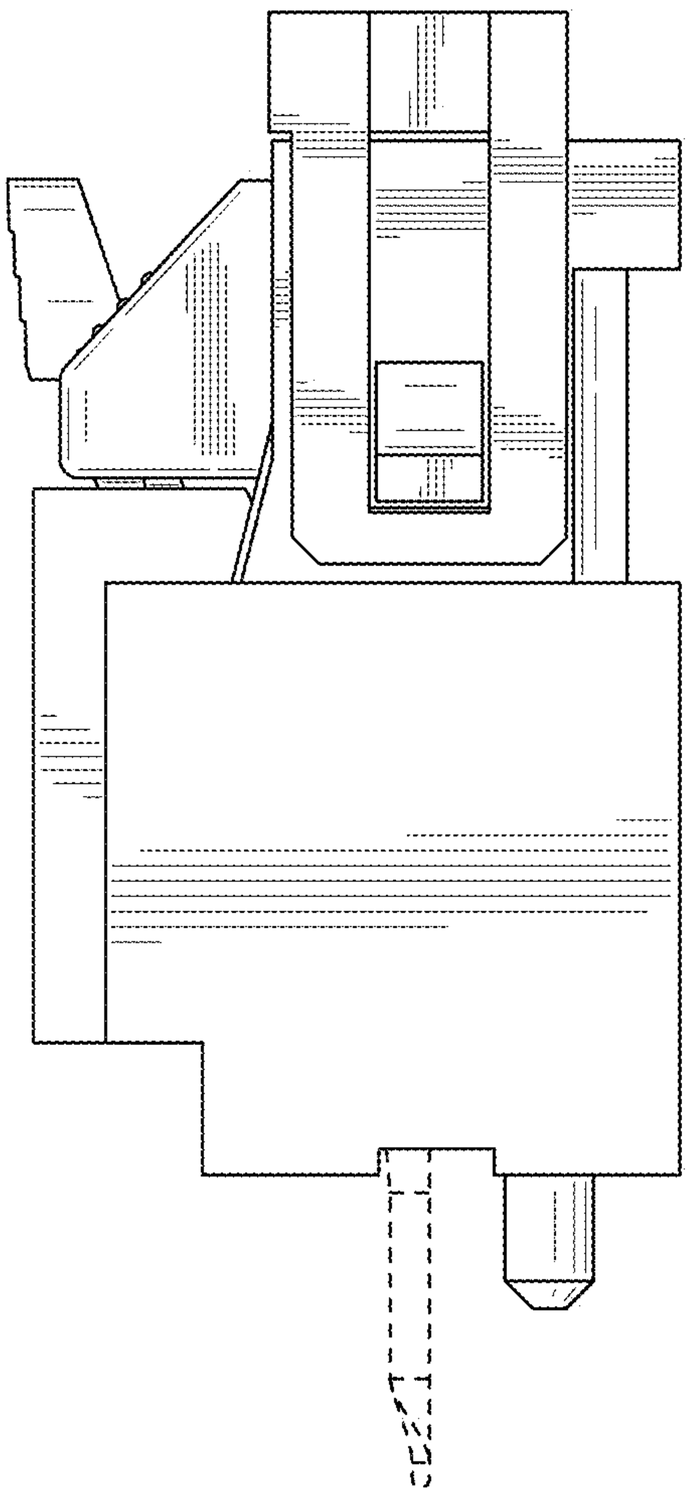
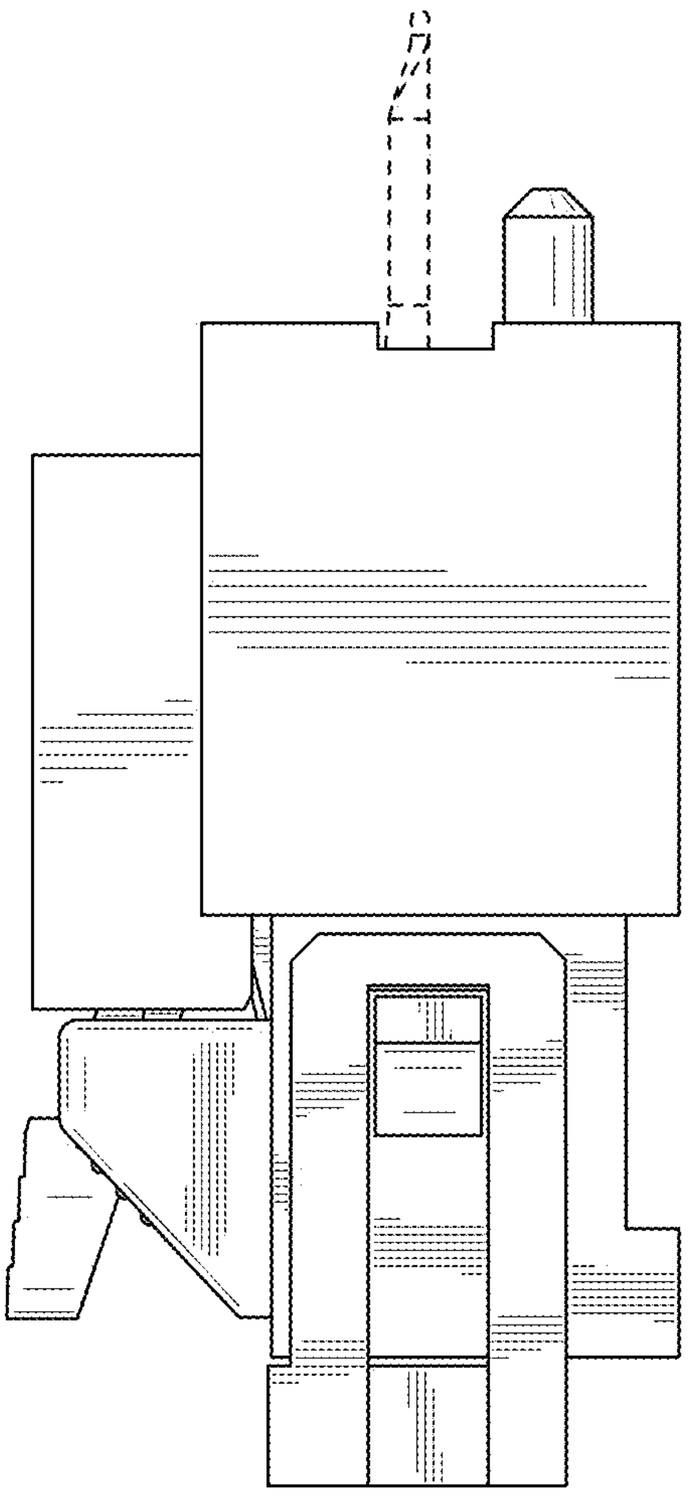


FIG. 134



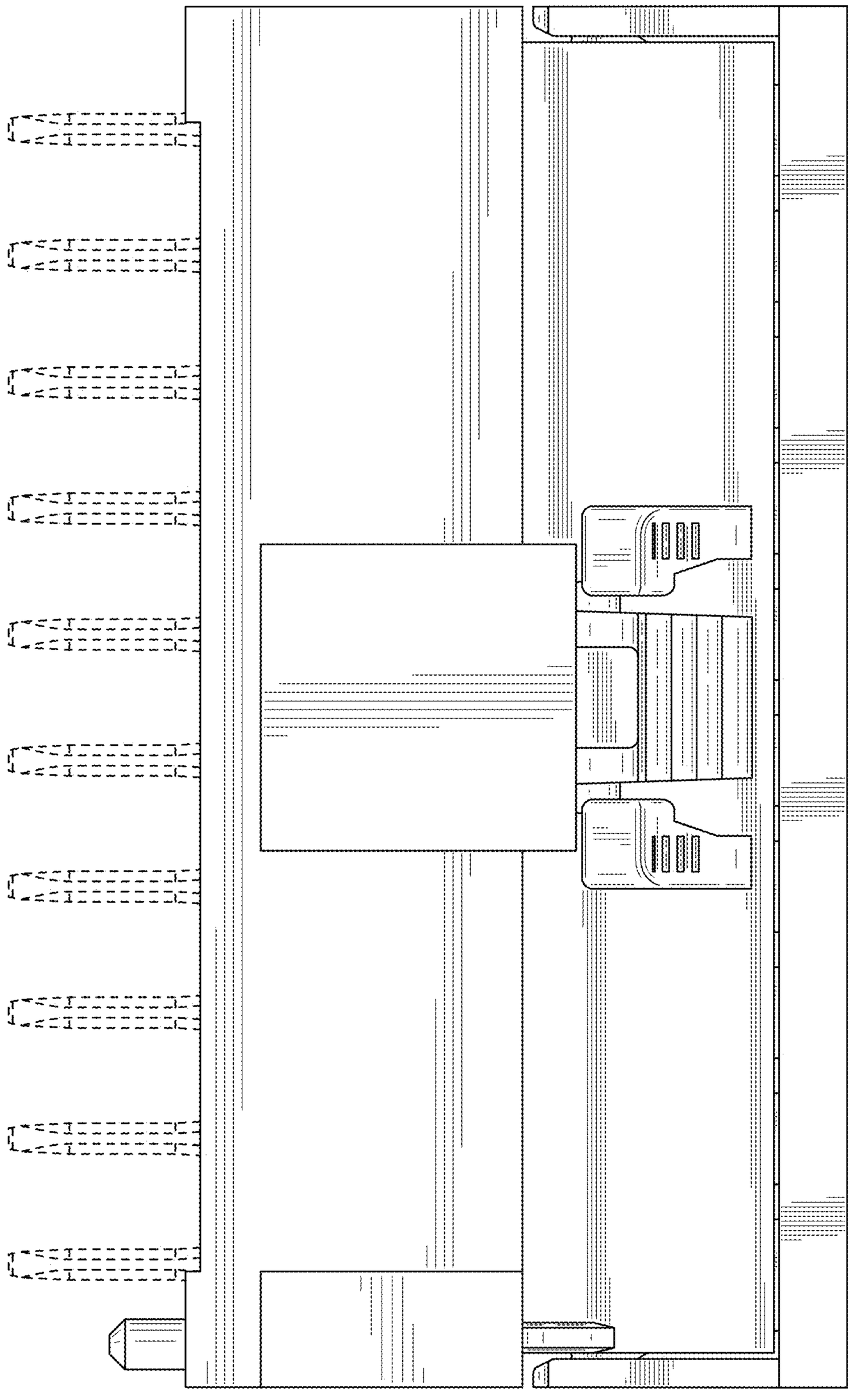


FIG. 135

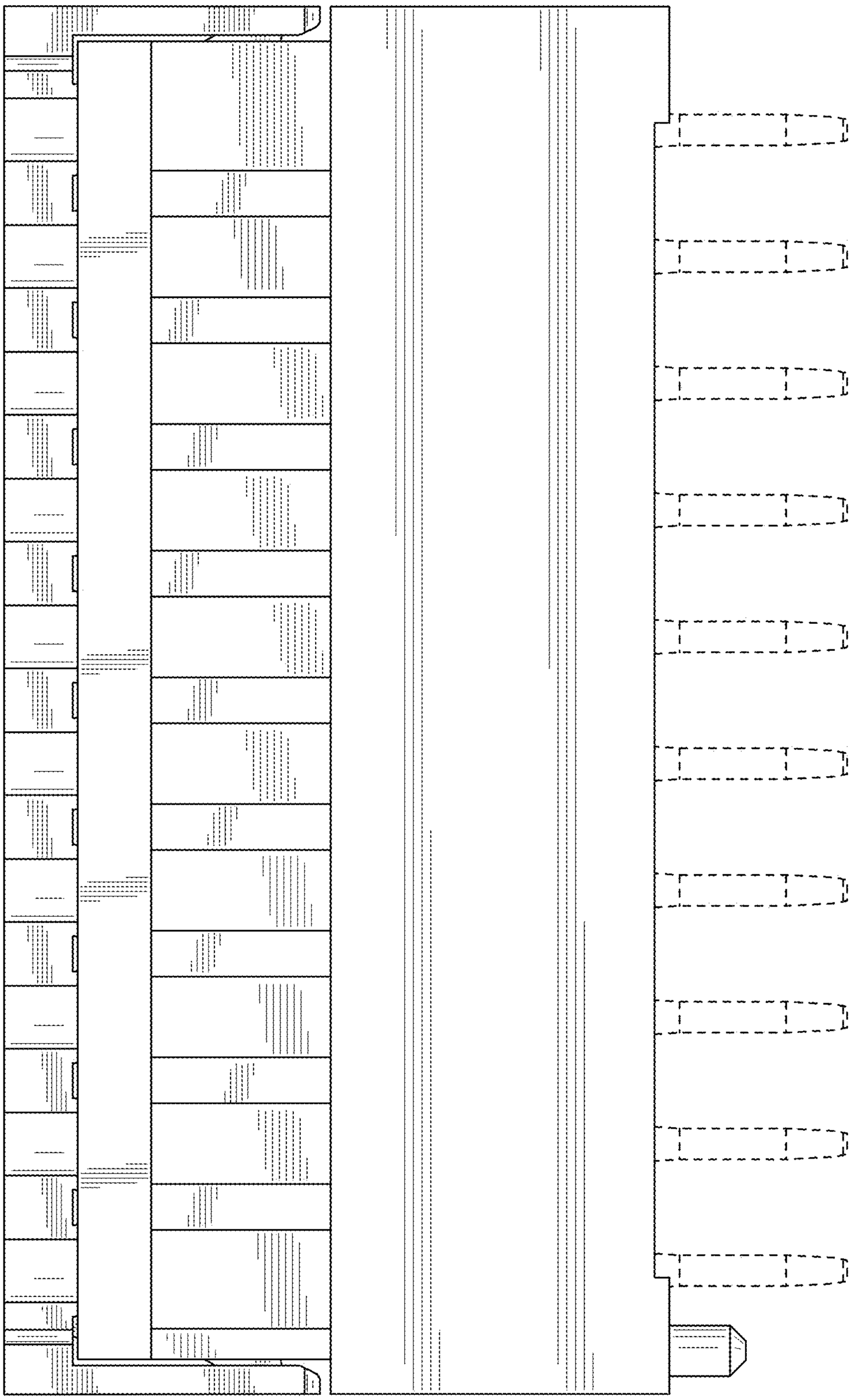


FIG. 136

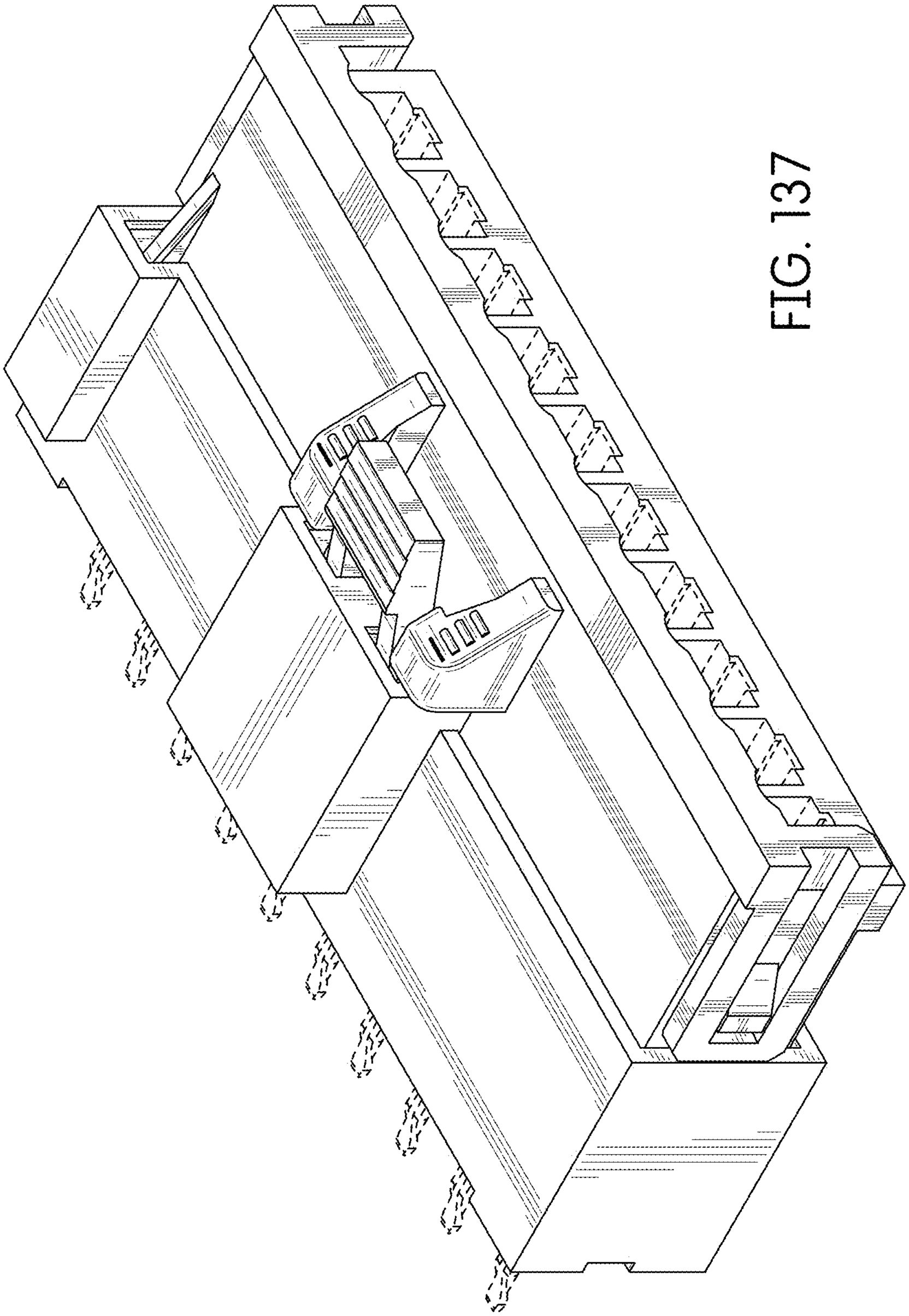


FIG. 137

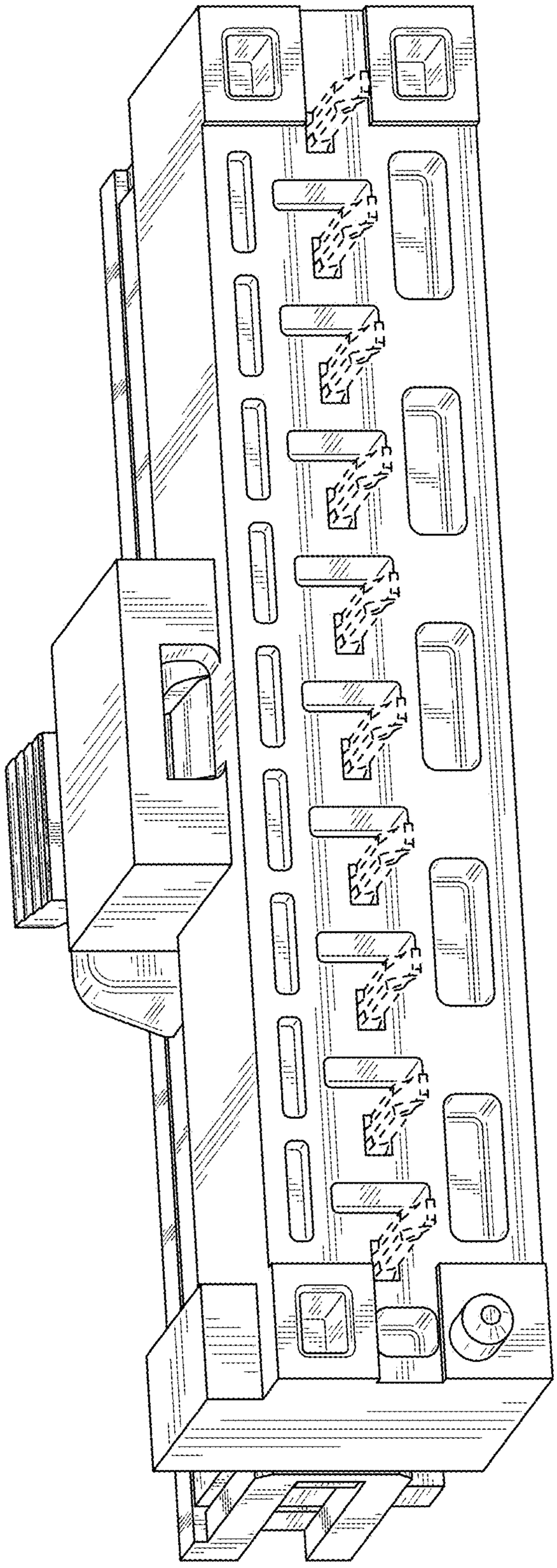


FIG. 138

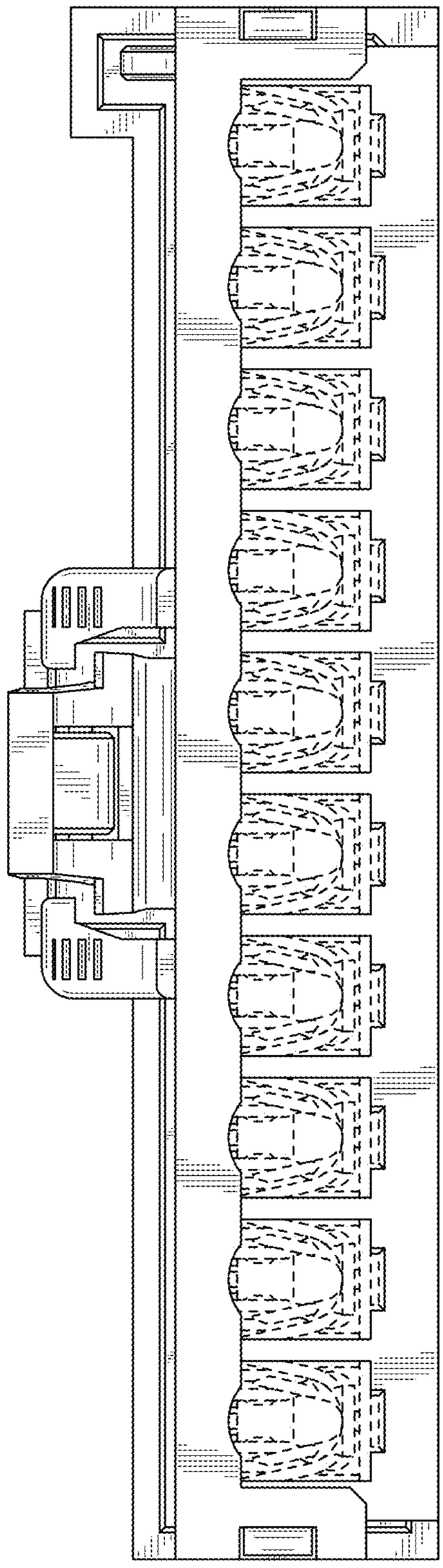


FIG. 139

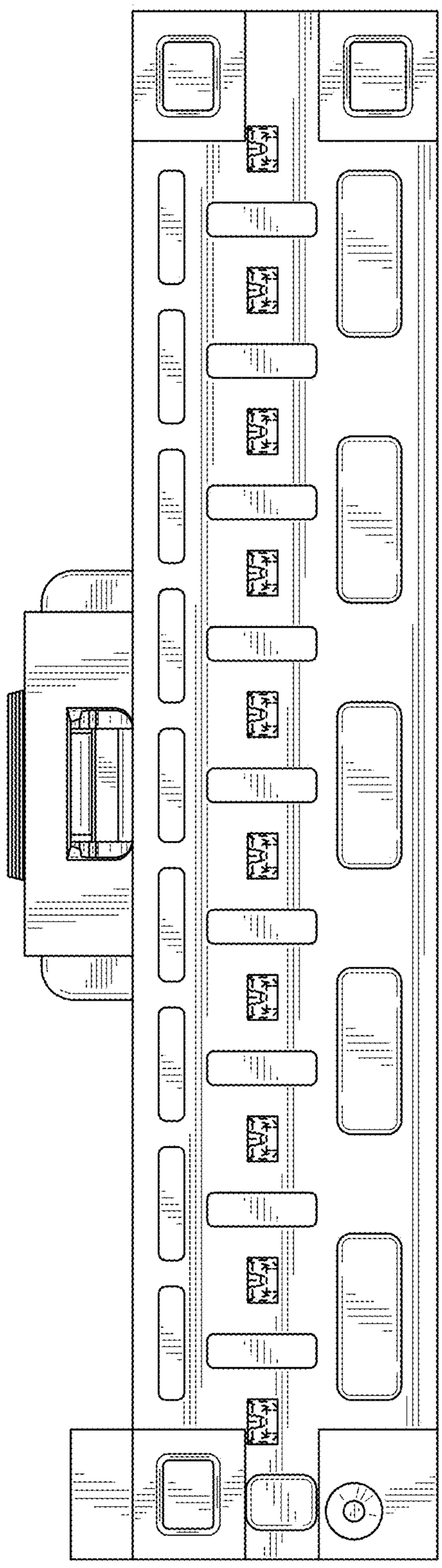


FIG. 140

FIG. 141

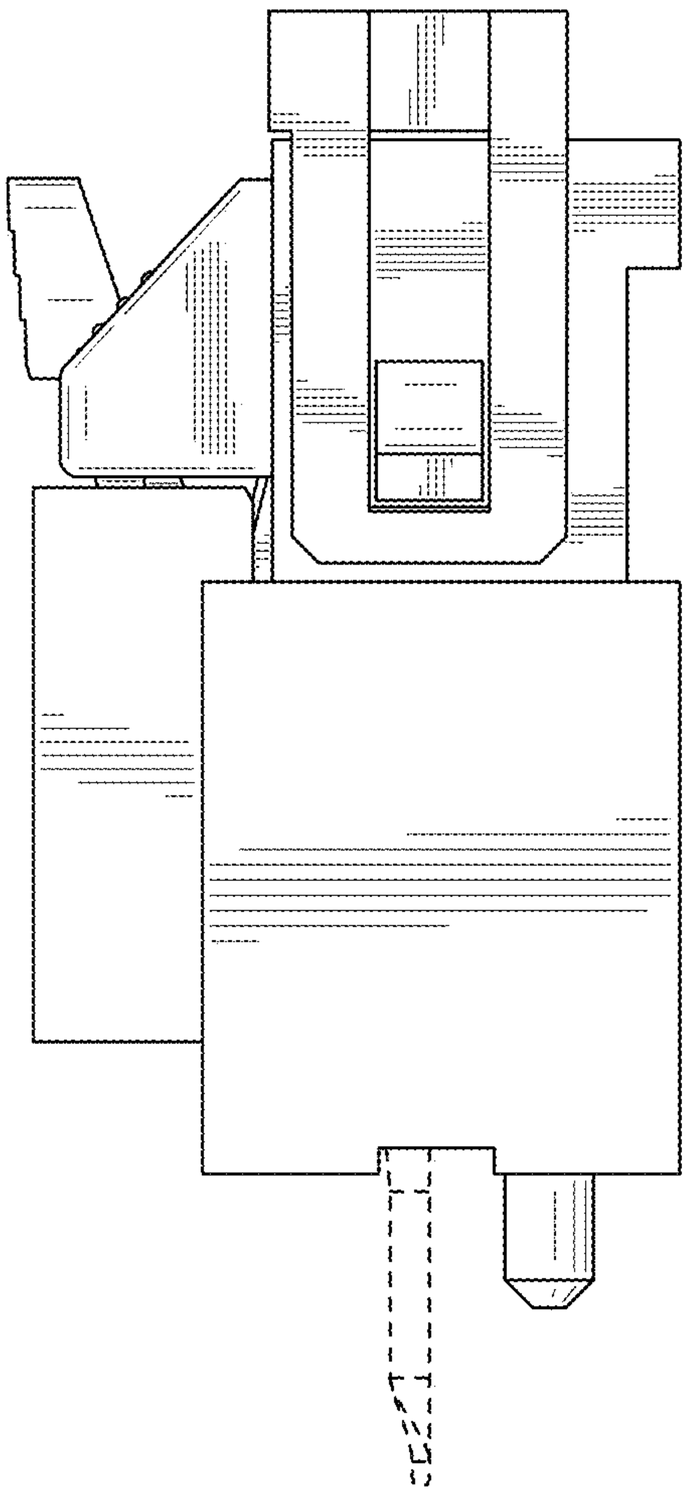
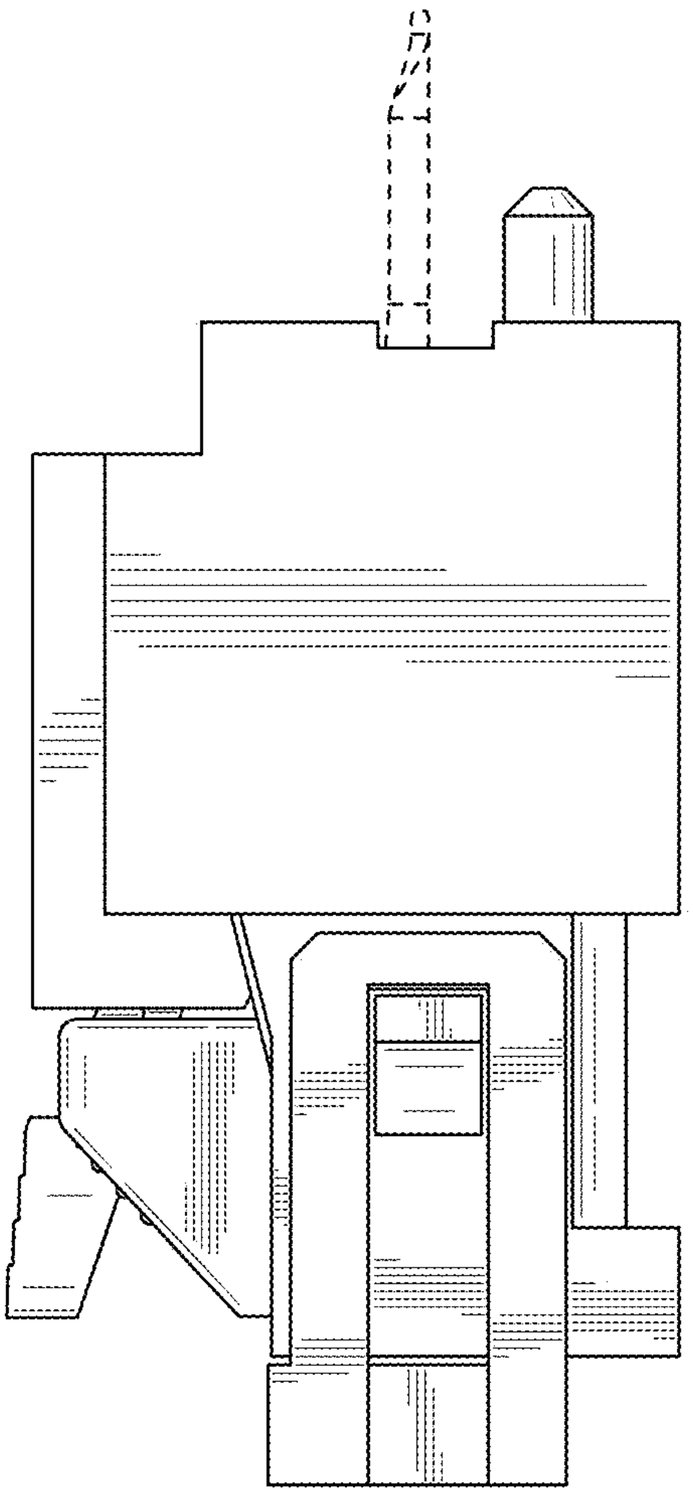


FIG. 142



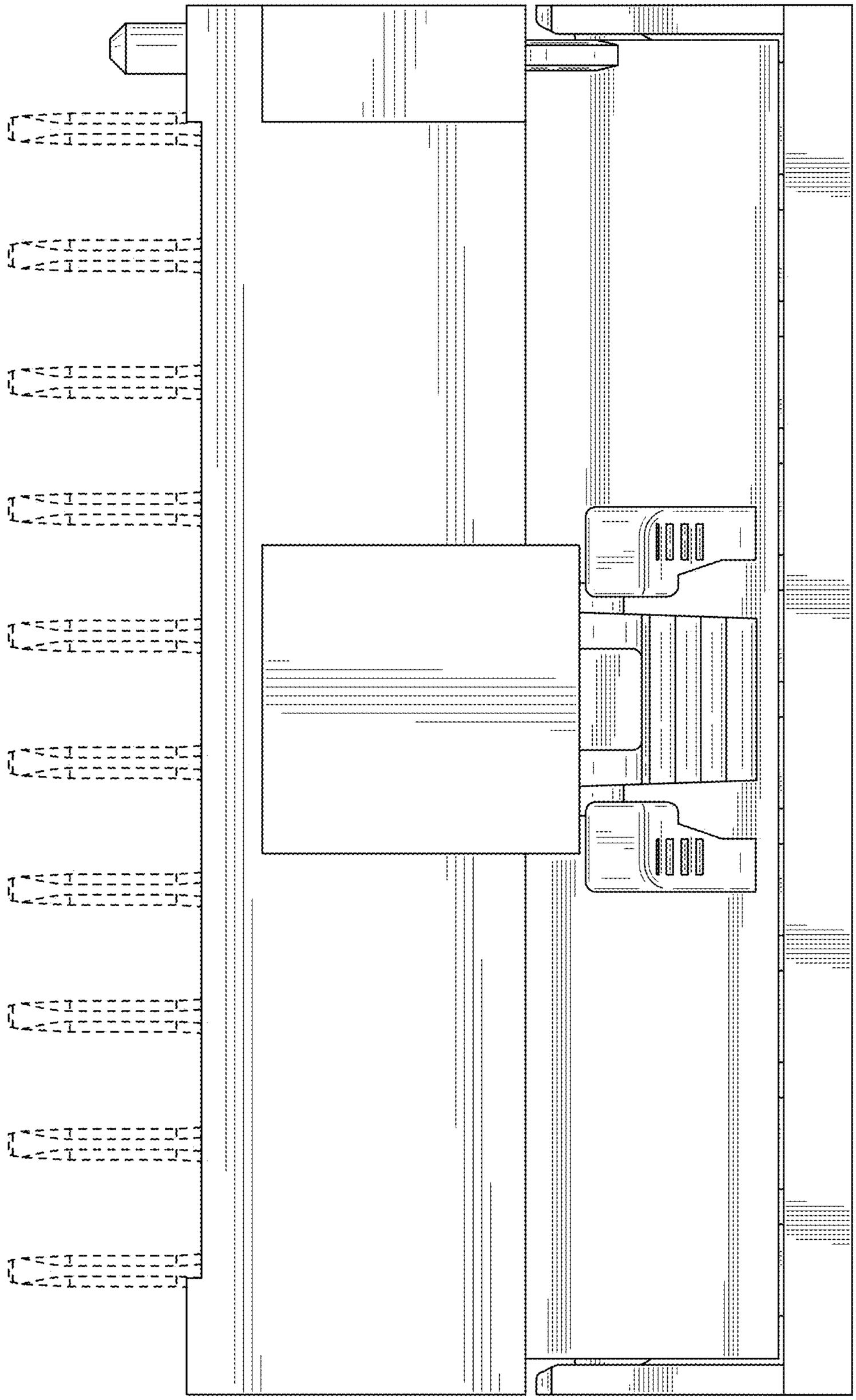


FIG. 143

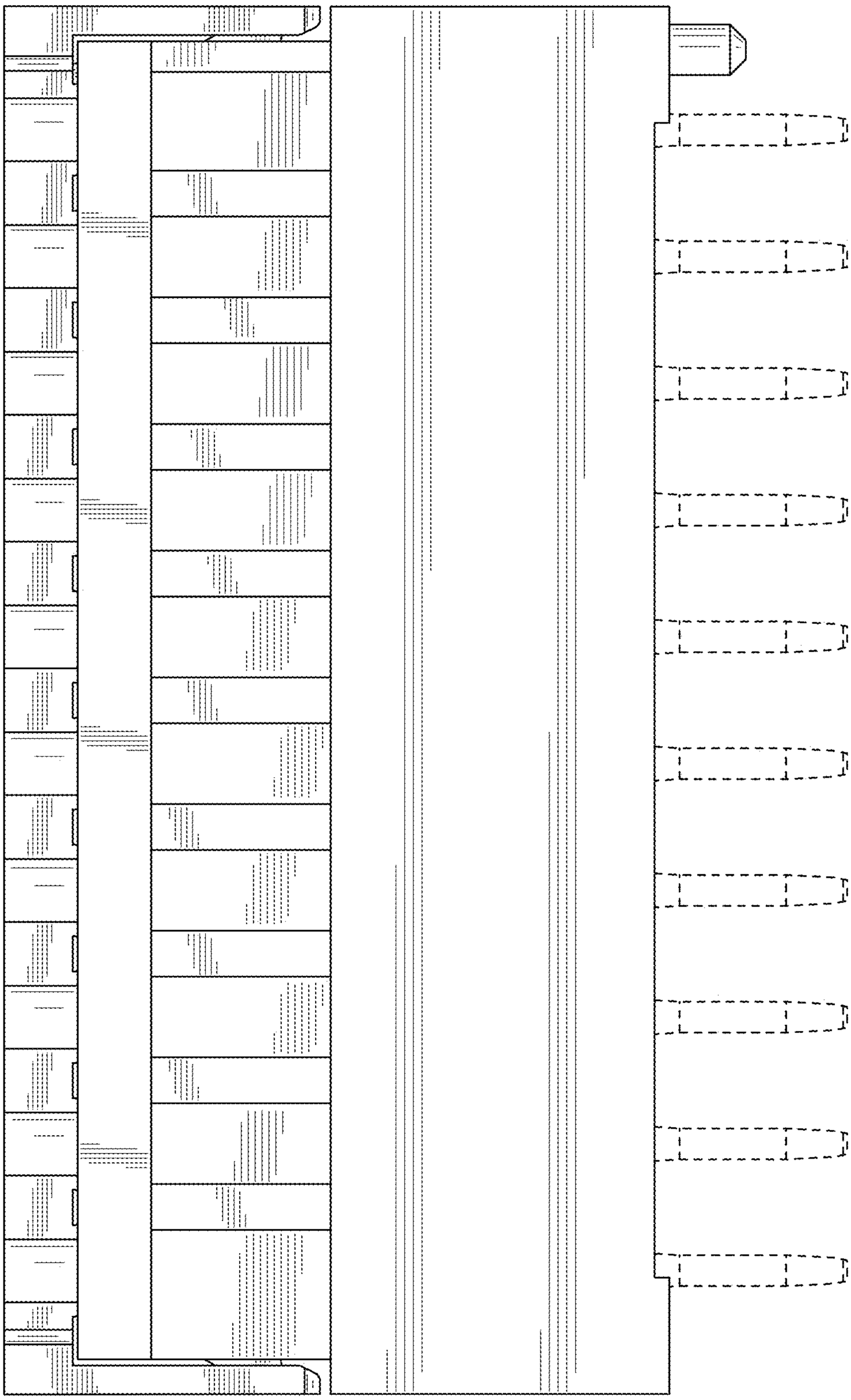


FIG. 144