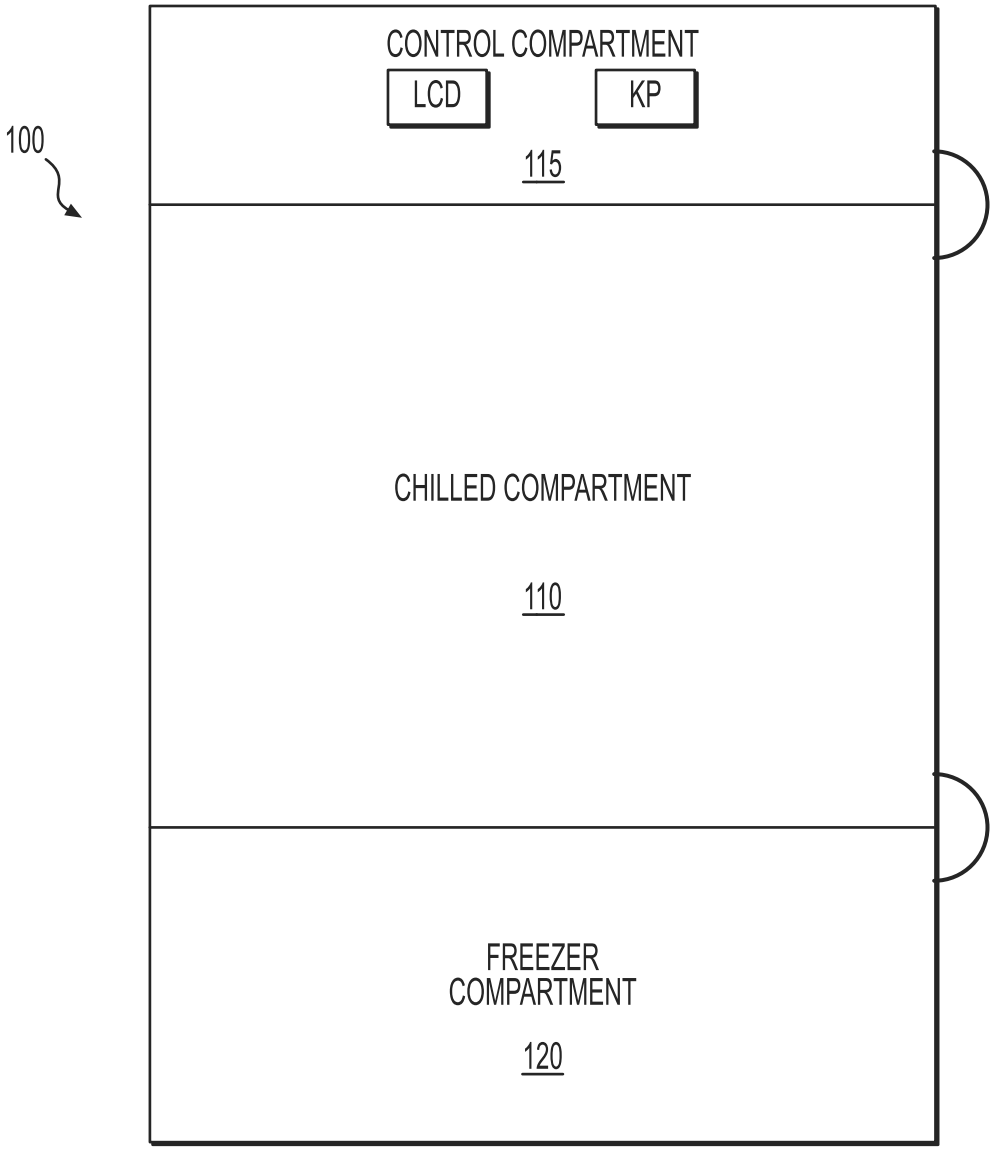

100
CONTROL COMPARTMENT
LCD
KP
115
CHILLED COMPARTMENT
110
FREEZER
COMPARTMENT
120

FIG. 1

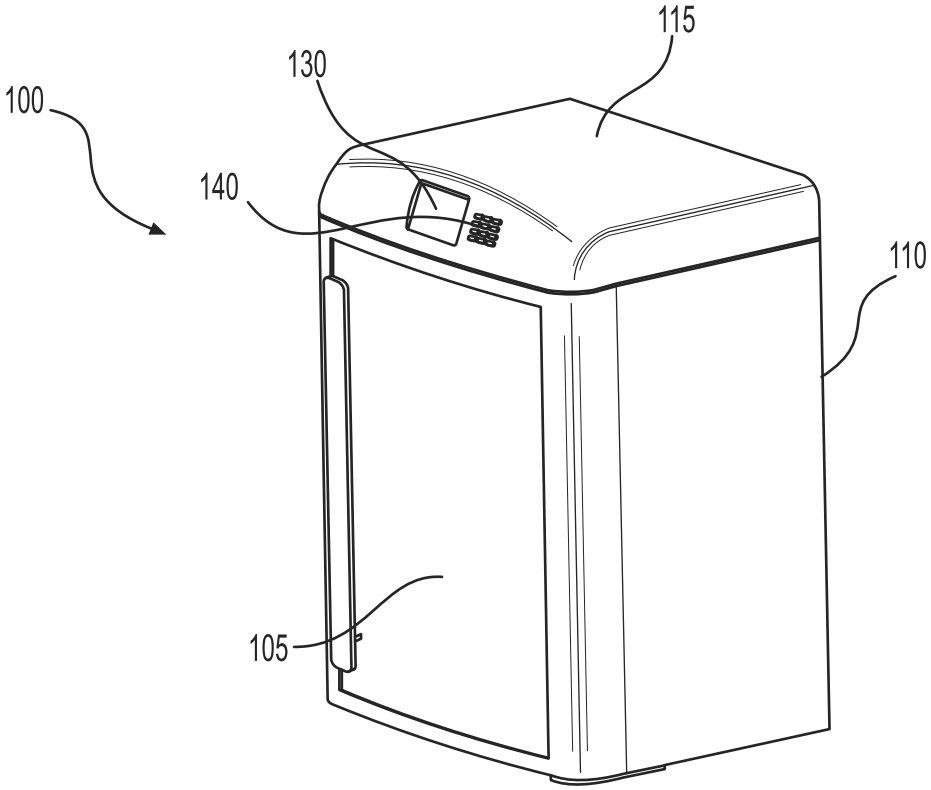


FIG. 1A

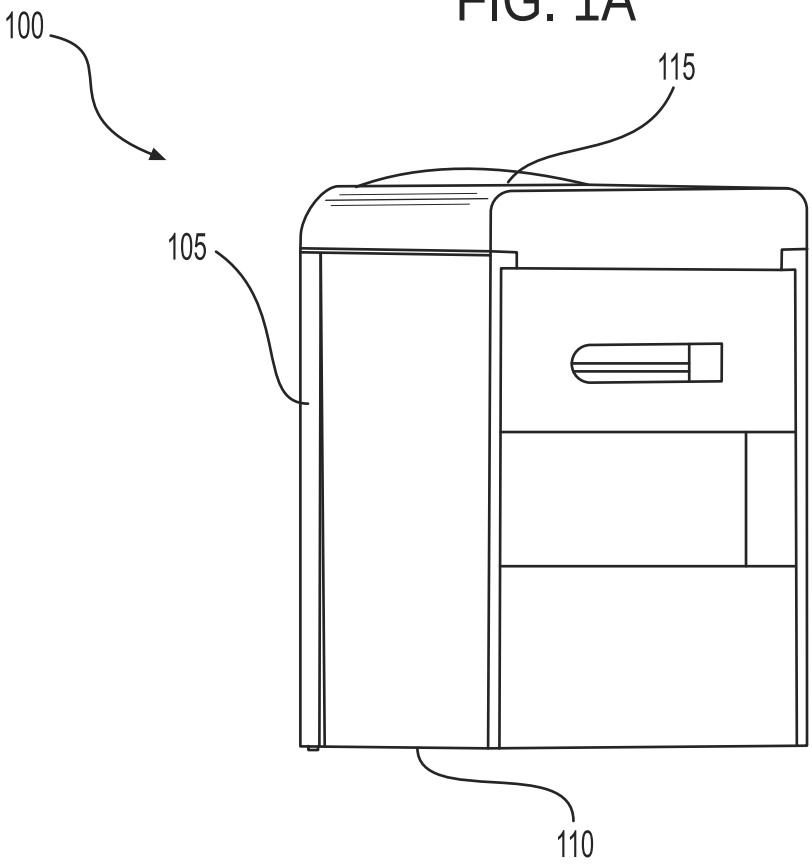


FIG. 1B

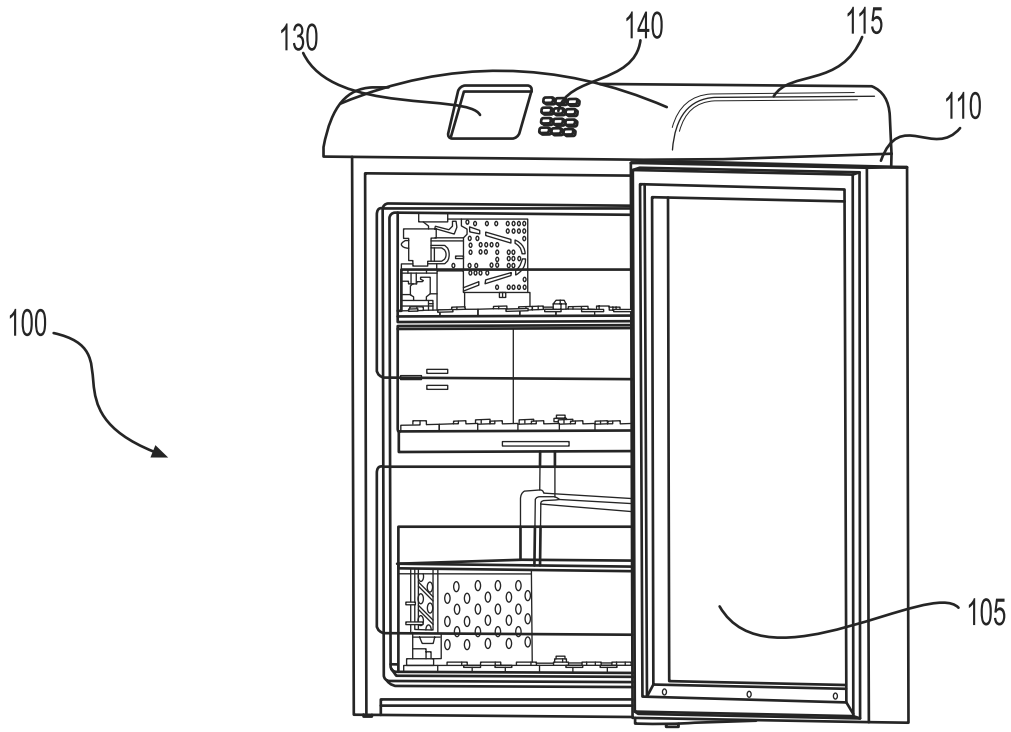

130
140
115
110
100
105

FIG. 1C

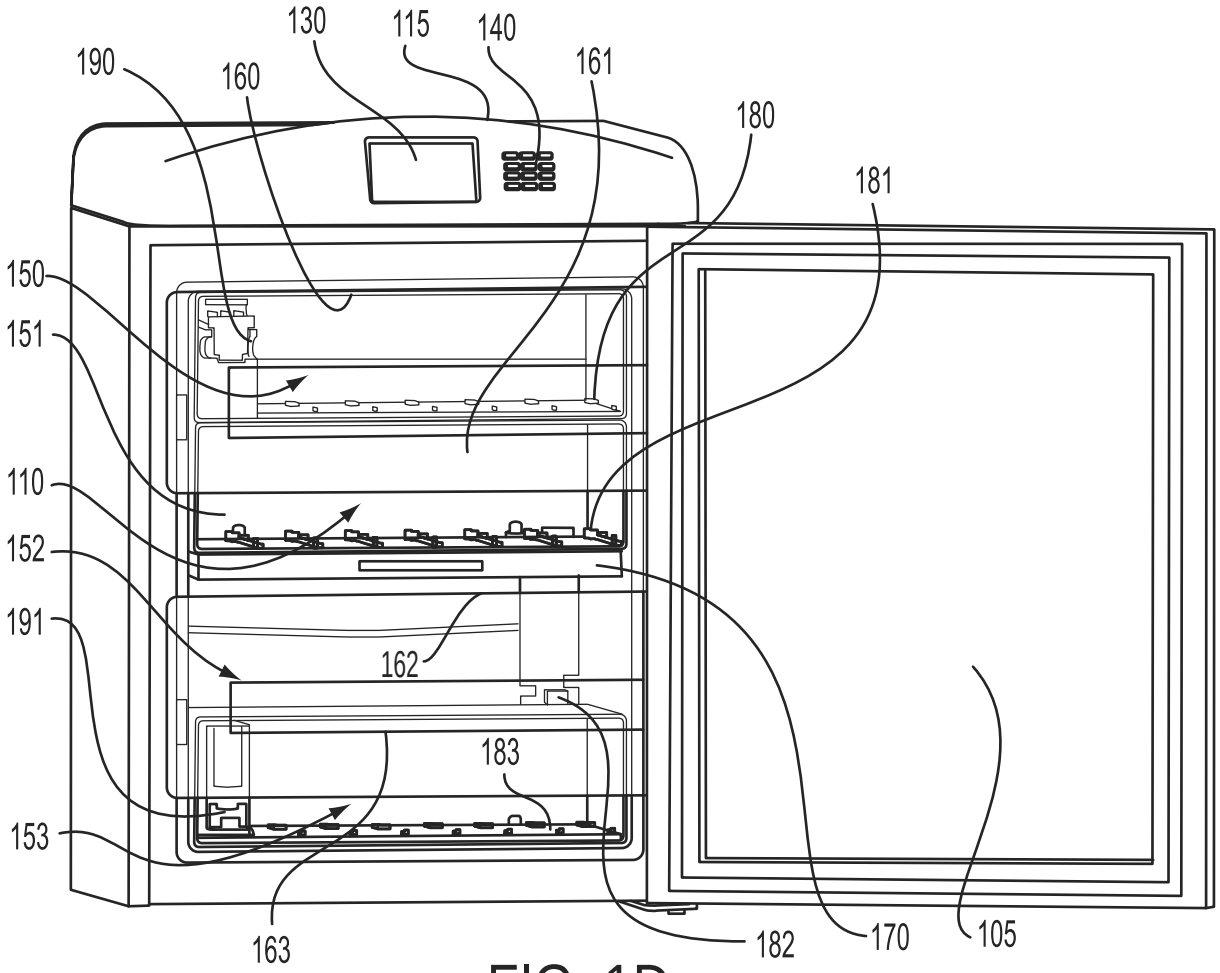

130
115
140
190
160
161
180
181
150
151
110
152
191
162
183
153
163
182
170
105

FIG. 1D

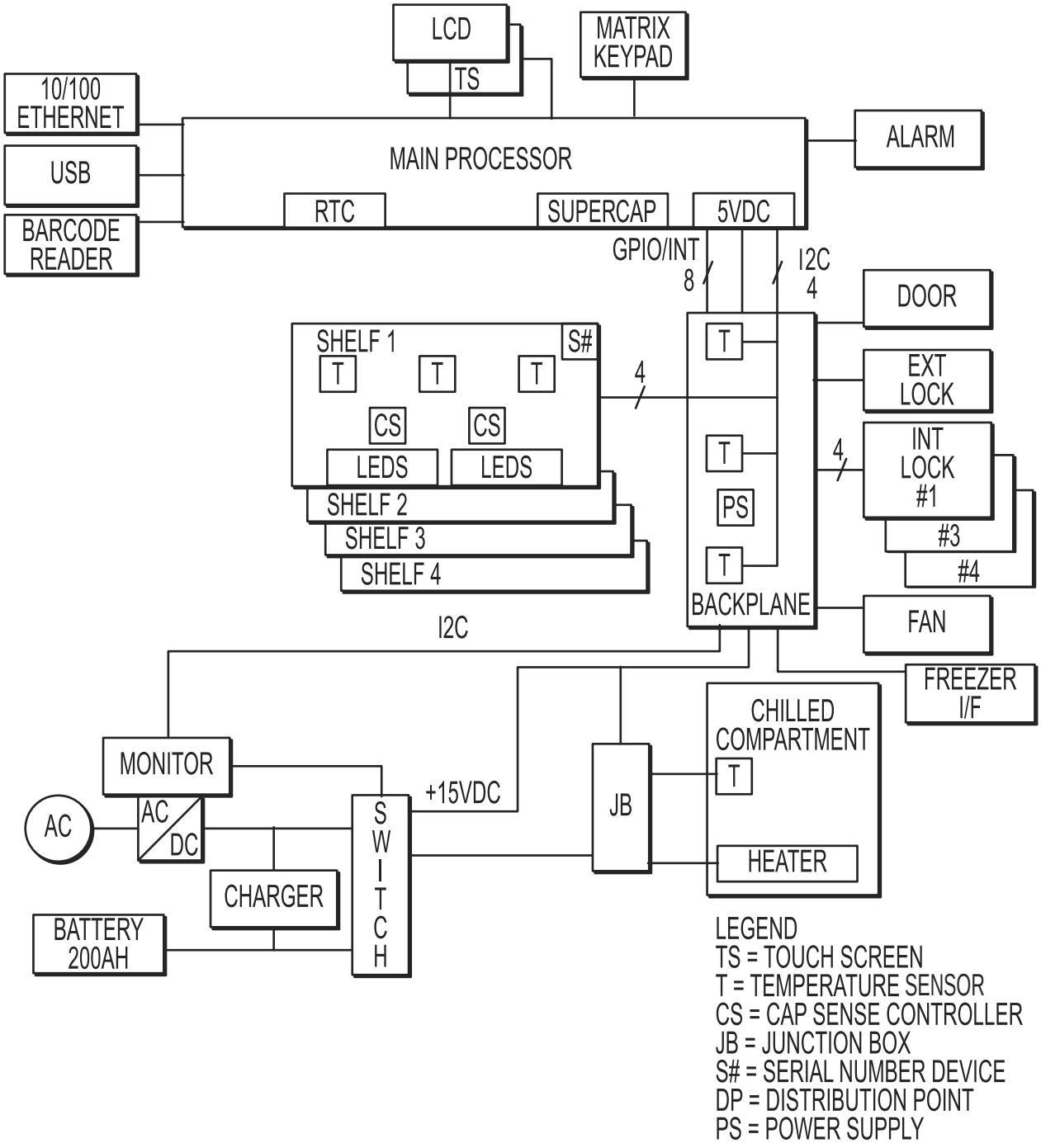

LCD
TS
MATRIX KEYPAD
10/100 ETHERNET
USB
BARCODE READER
MAIN PROCESSOR
RTC
SUPERCAP
5VDC
ALARM
GPIO/INT
8
I2C
4
DOOR
SHELF 1
S#
T
T
T
CS
CS
LEDS
LEDS
4
SHELF 2
SHELF 3
SHELF 4
T
EXT LOCK
T
4
INT LOCK #1
#3
#4
PS
T
BACKPLANE
FAN
I2C
FREEZER I/F
CHILLED COMPARTMENT
T
HEATER
MONITOR
AC
AC
DC
+15VDC
JB
S
W
I
T
C
H
CHARGER
BATTERY 200AH
LEGEND
TS = TOUCH SCREEN
T = TEMPERATURE SENSOR
CS = CAP SENSE CONTROLLER
JB = JUNCTION BOX
S# = SERIAL NUMBER DEVICE
DP = DISTRIBUTION POINT
PS = POWER SUPPLY

FIG. 2

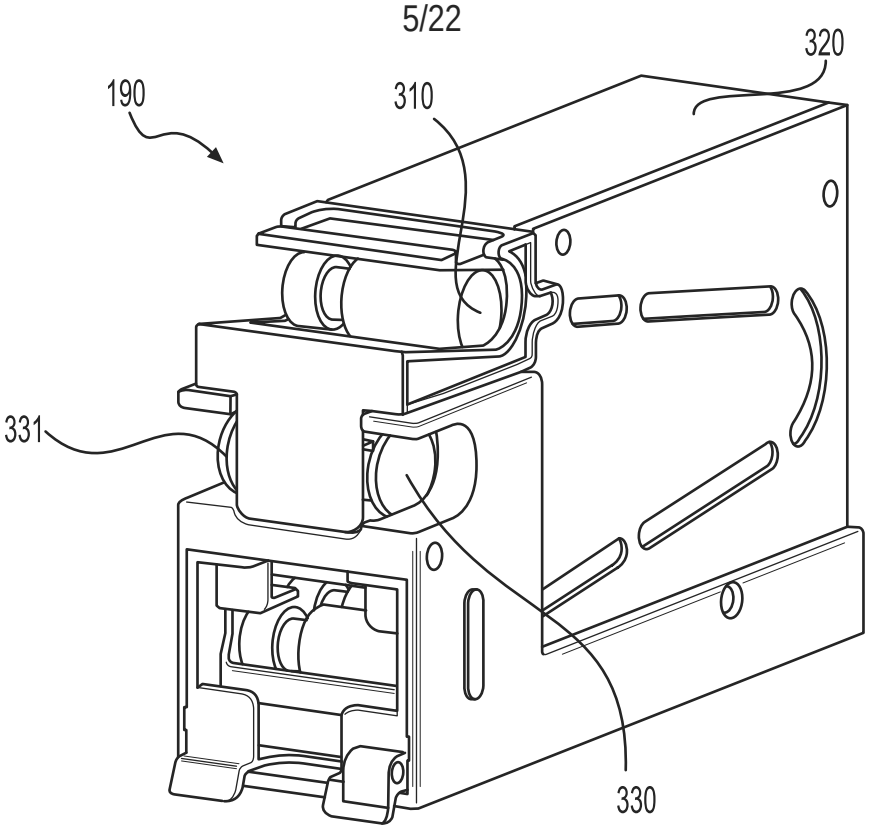


FIG. 3A

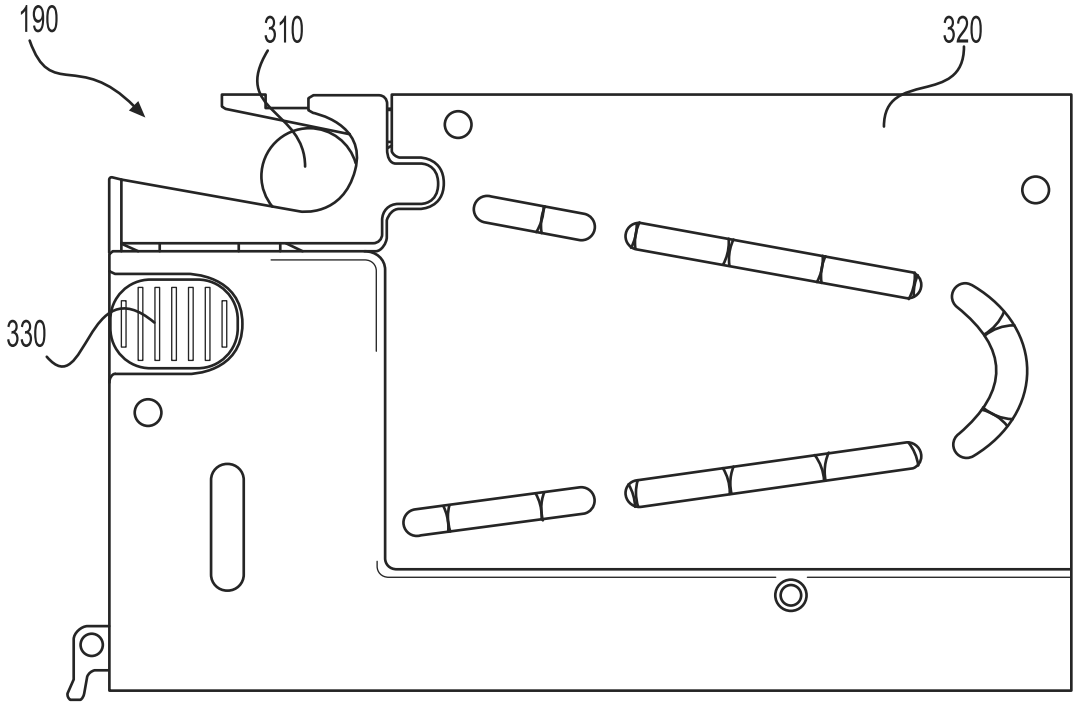


FIG. 3B

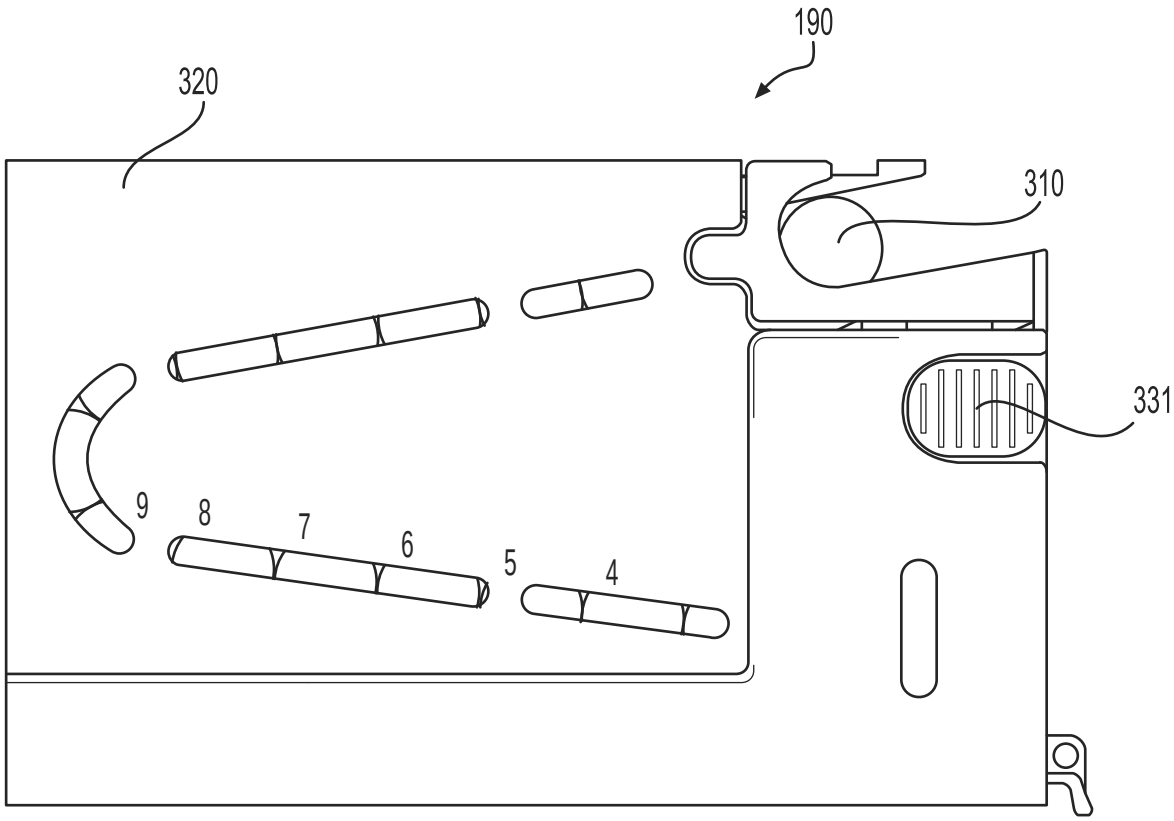


FIG. 3C

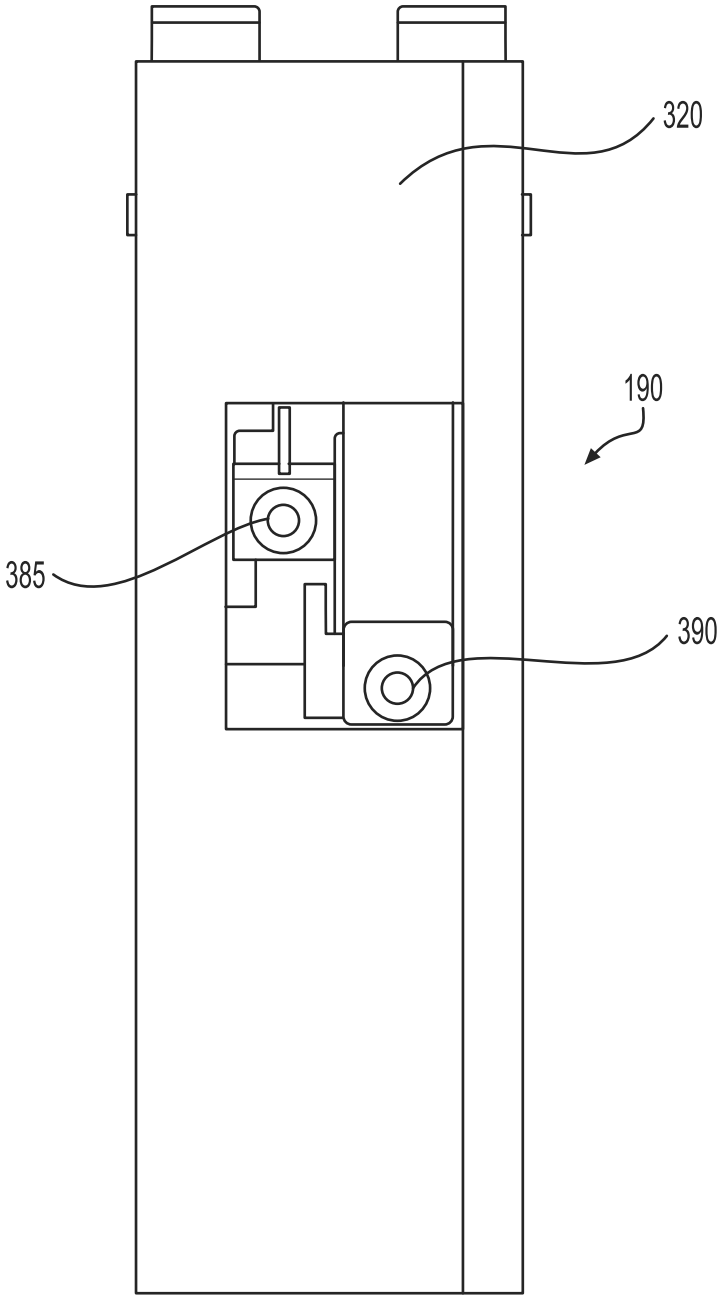


FIG. 3D

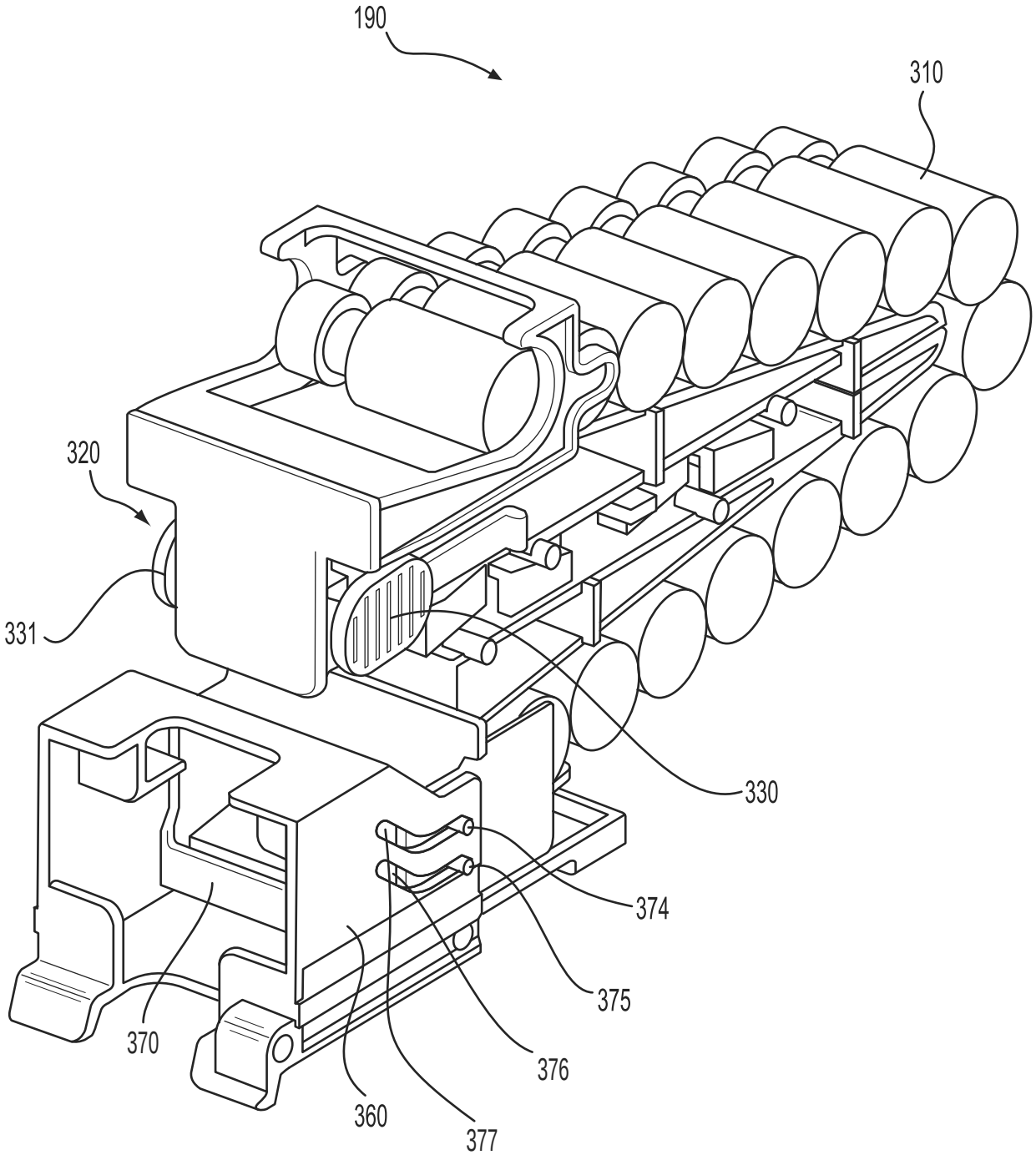


FIG. 3E

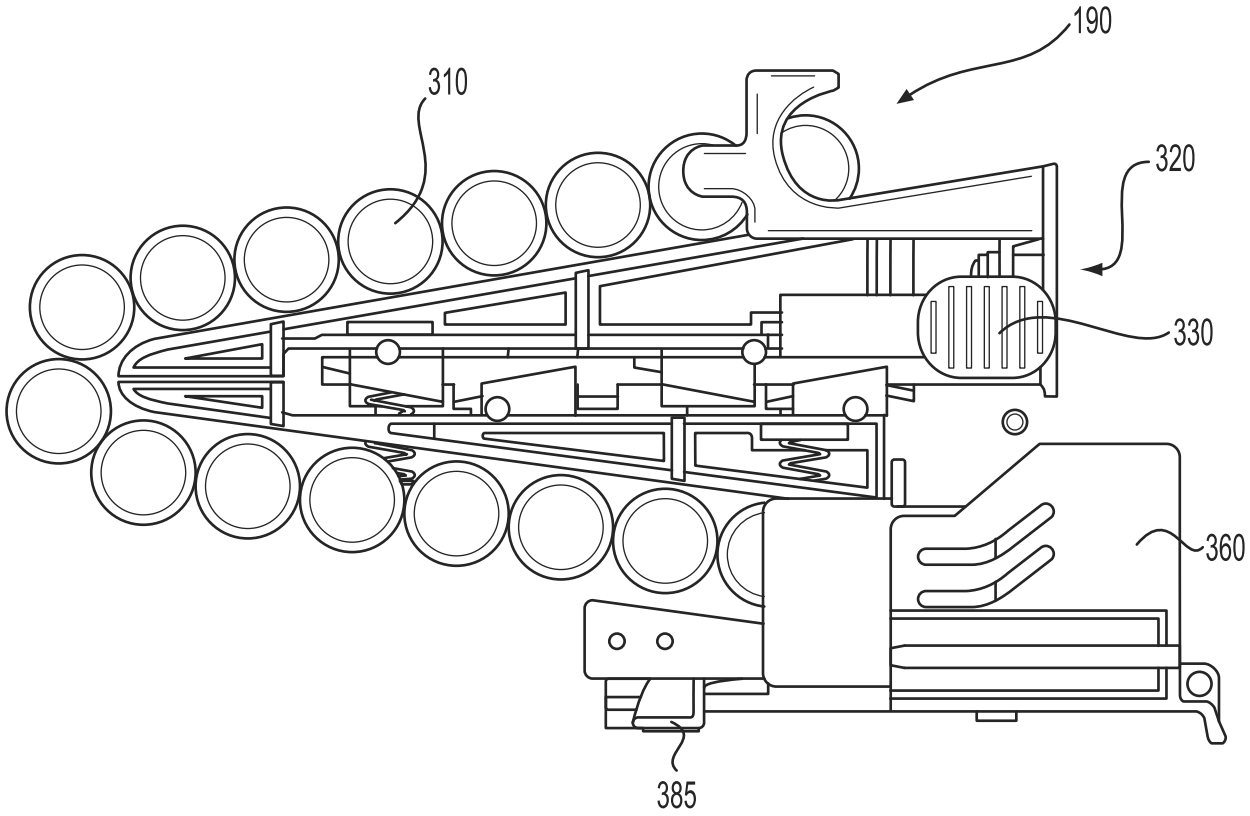


FIG. 3F

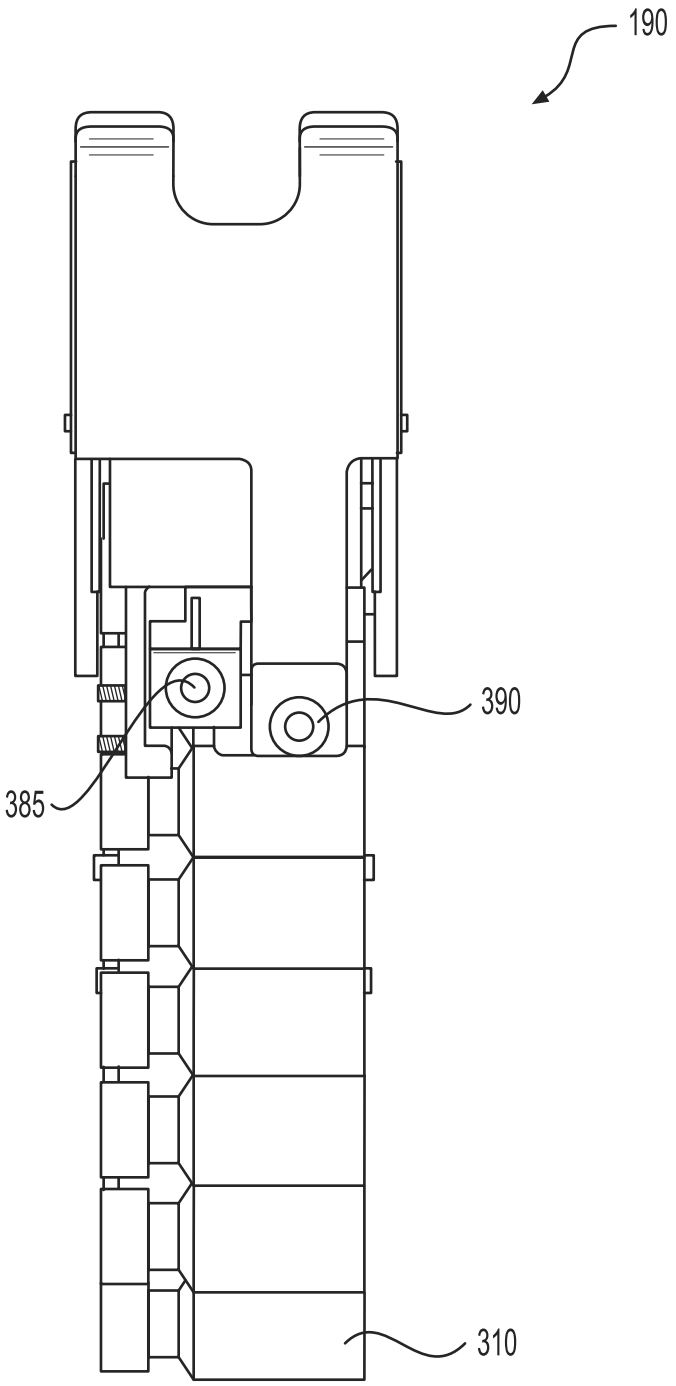


FIG. 3G

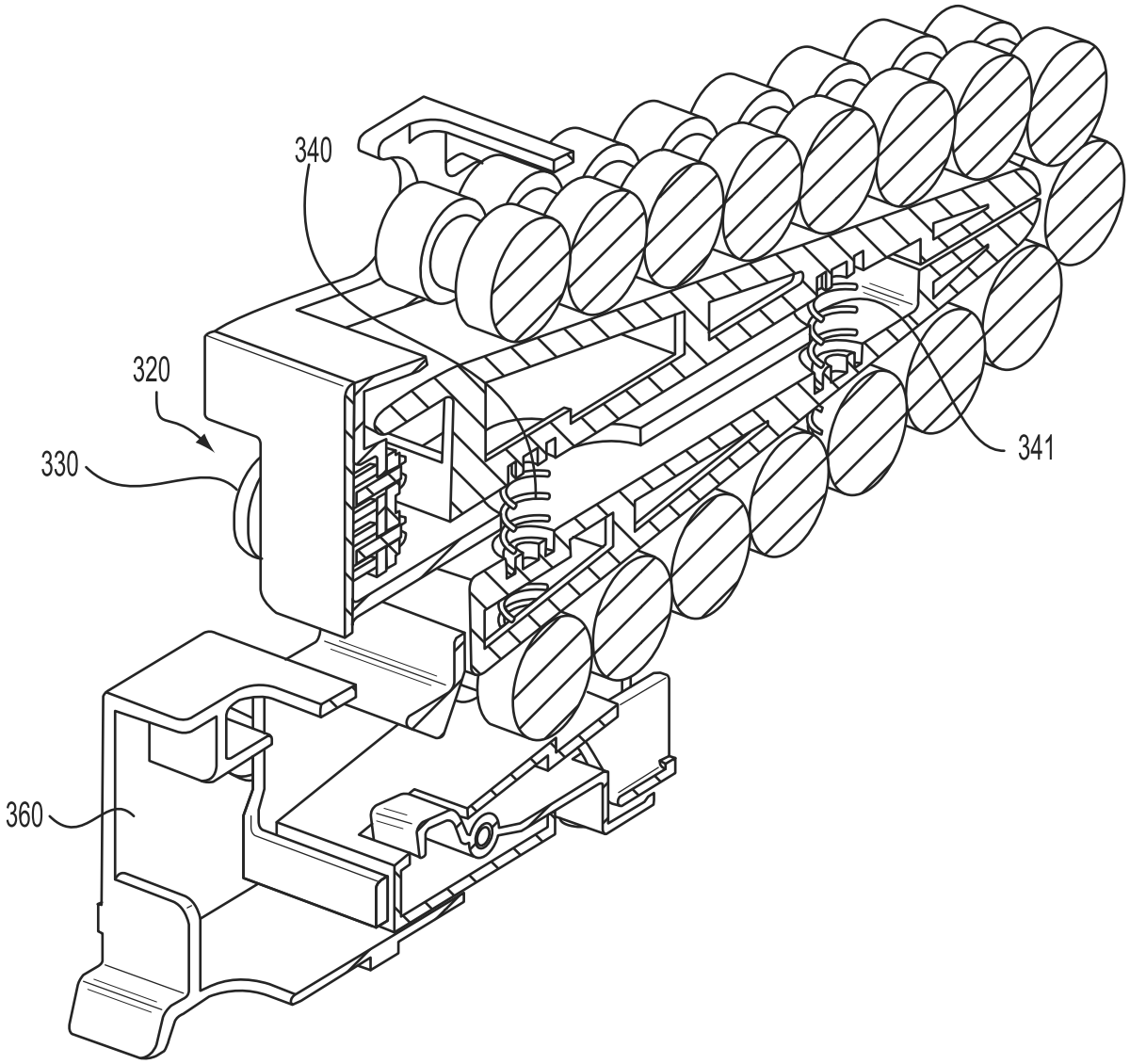


FIG. 3H

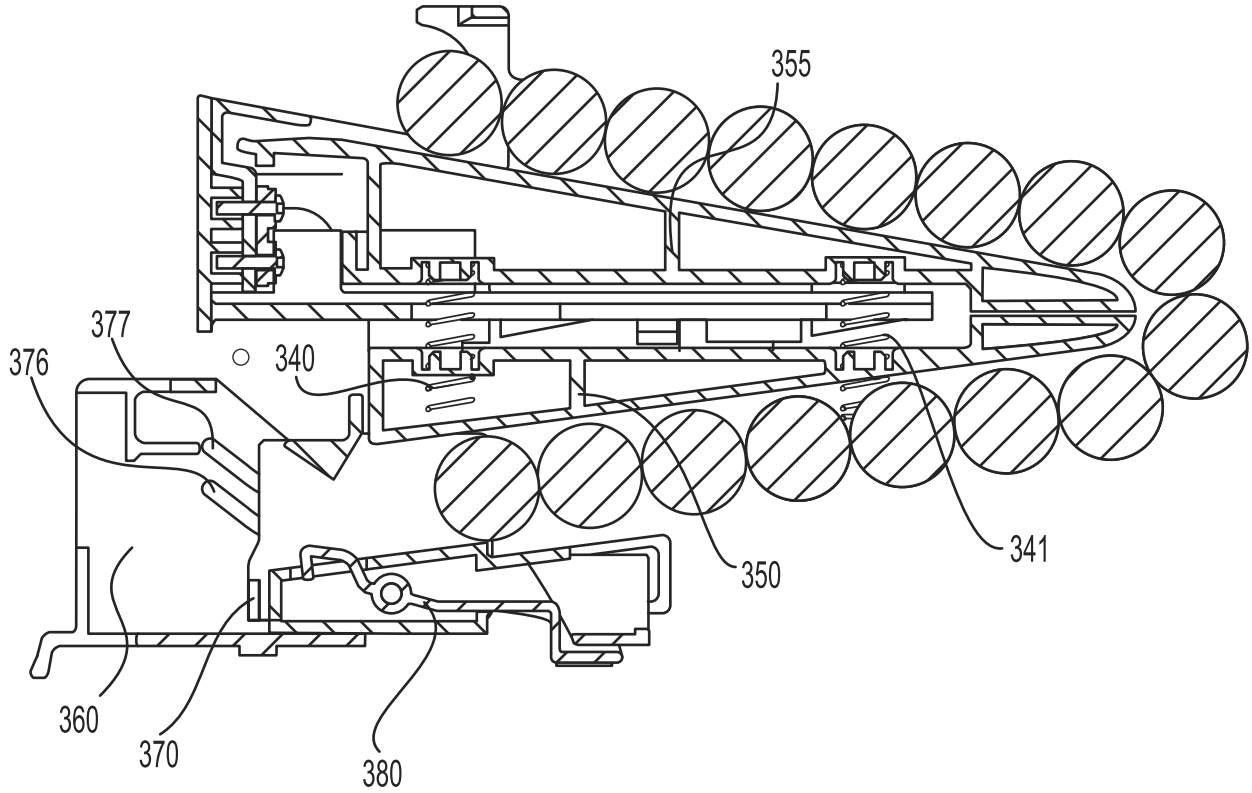


FIG. 3I

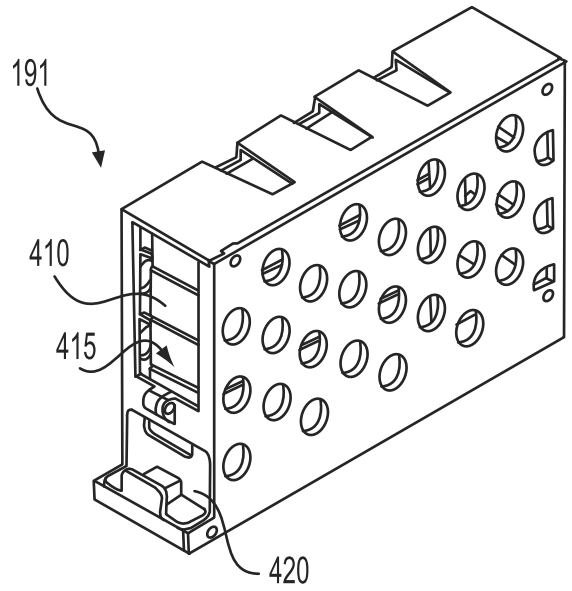


FIG. 4A

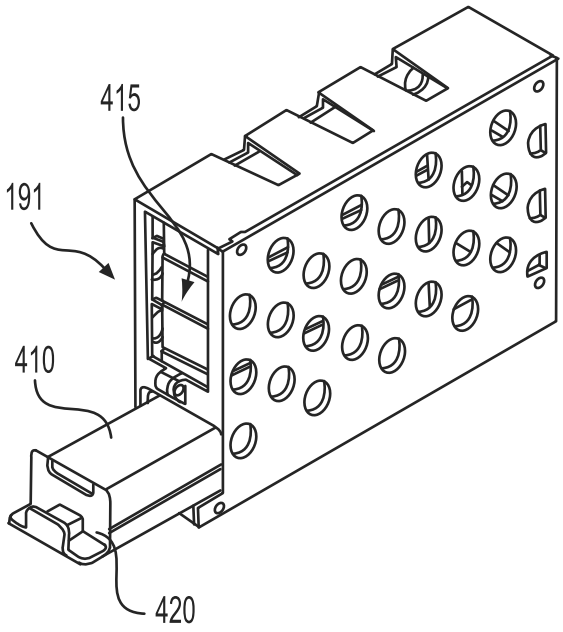


FIG. 4B

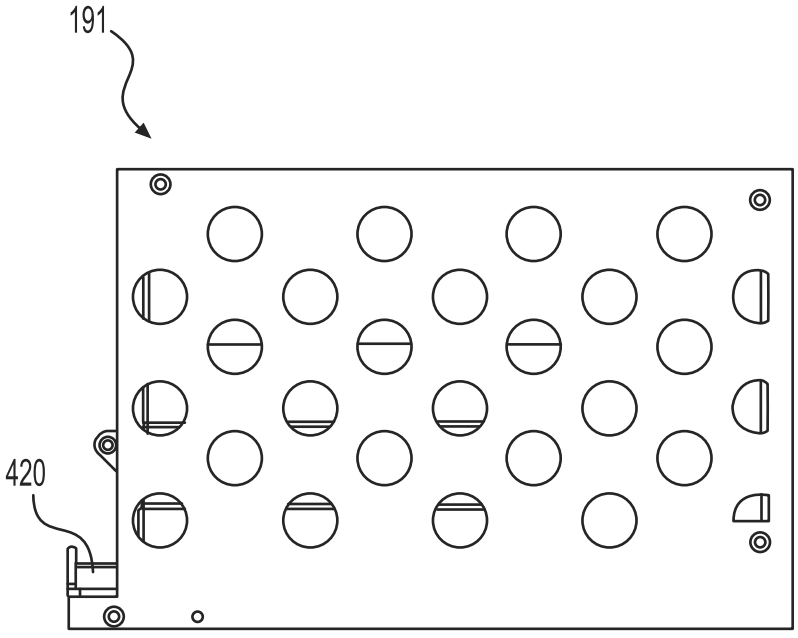


FIG. 4C

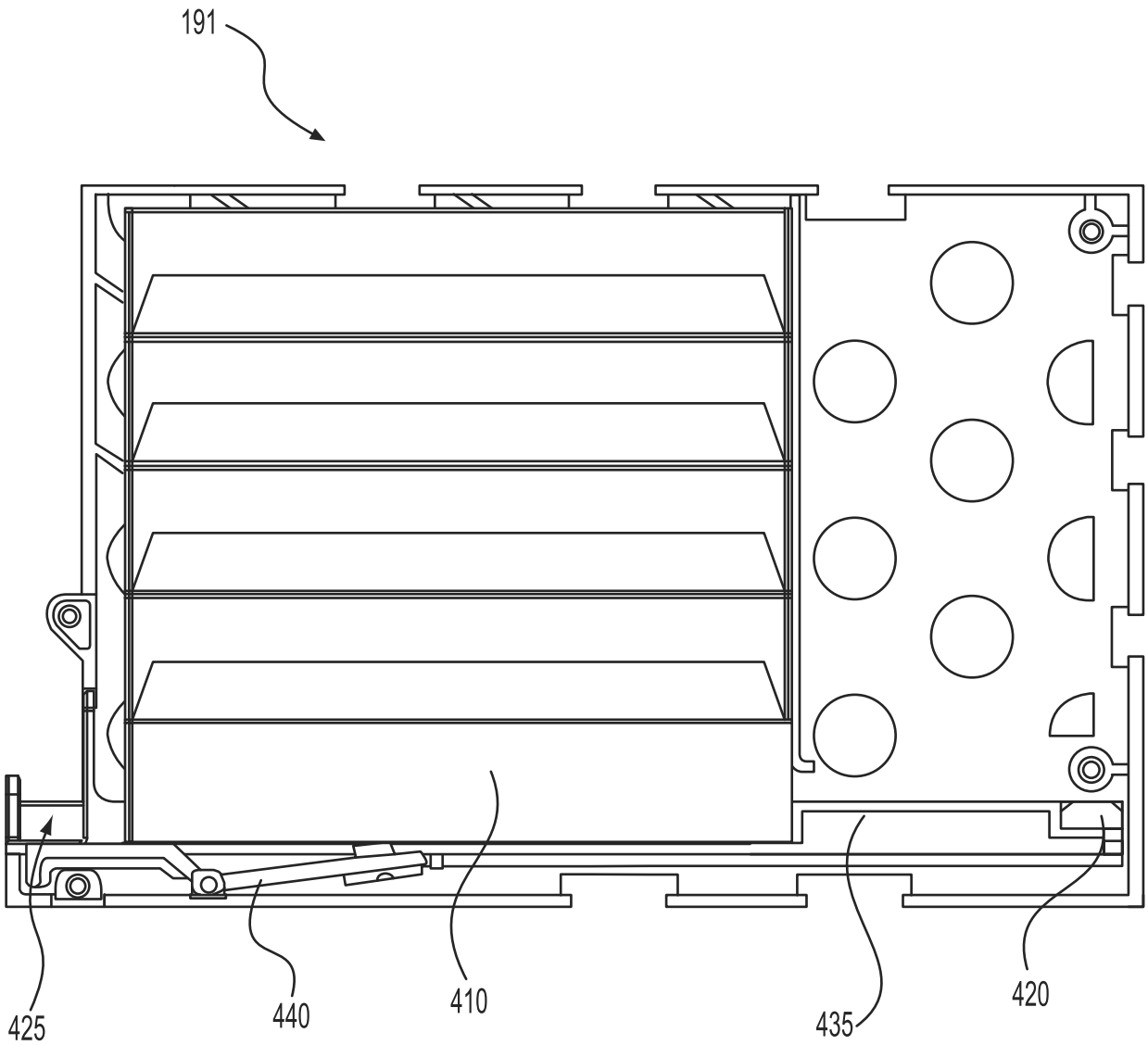


FIG. 4D

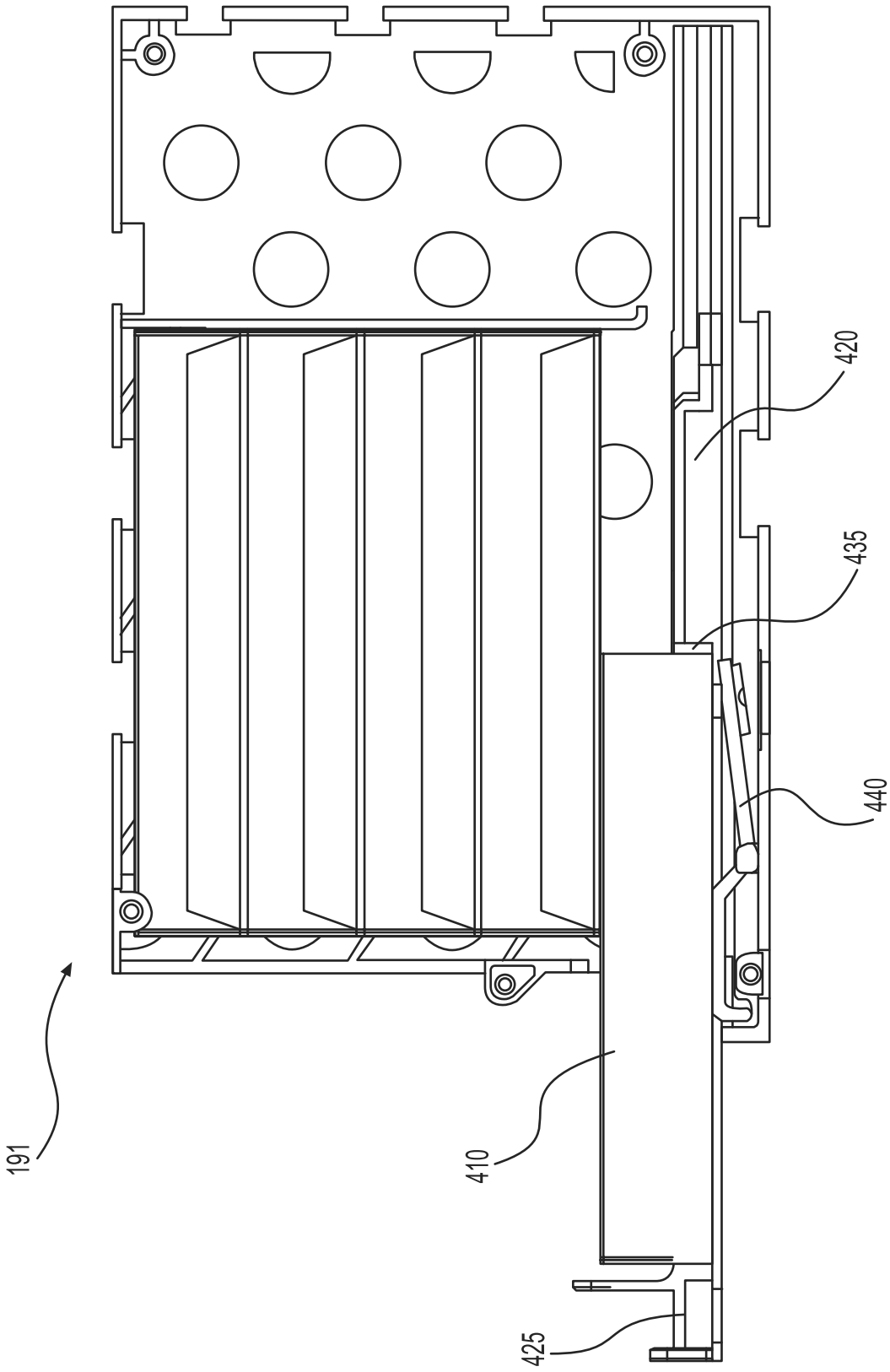


FIG. 4E

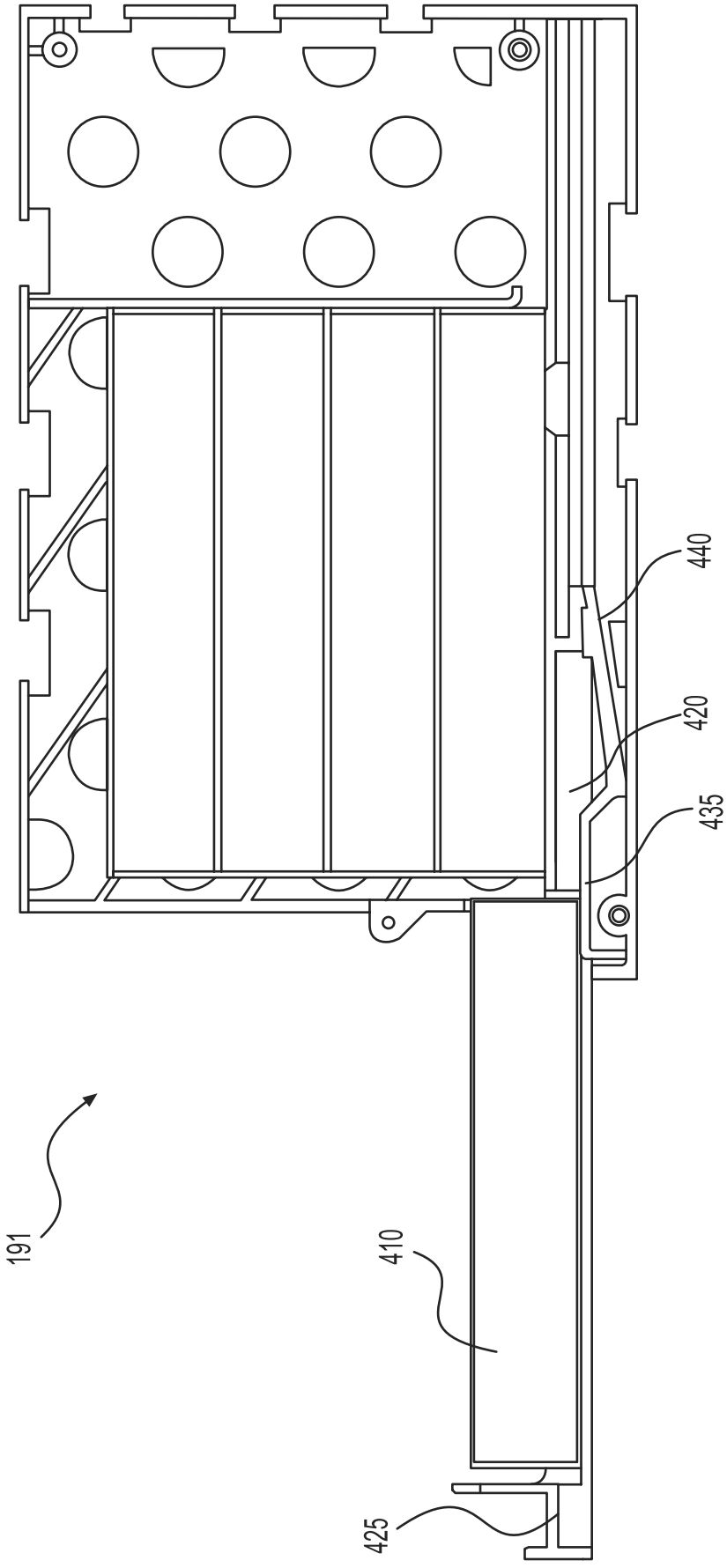


FIG. 4F

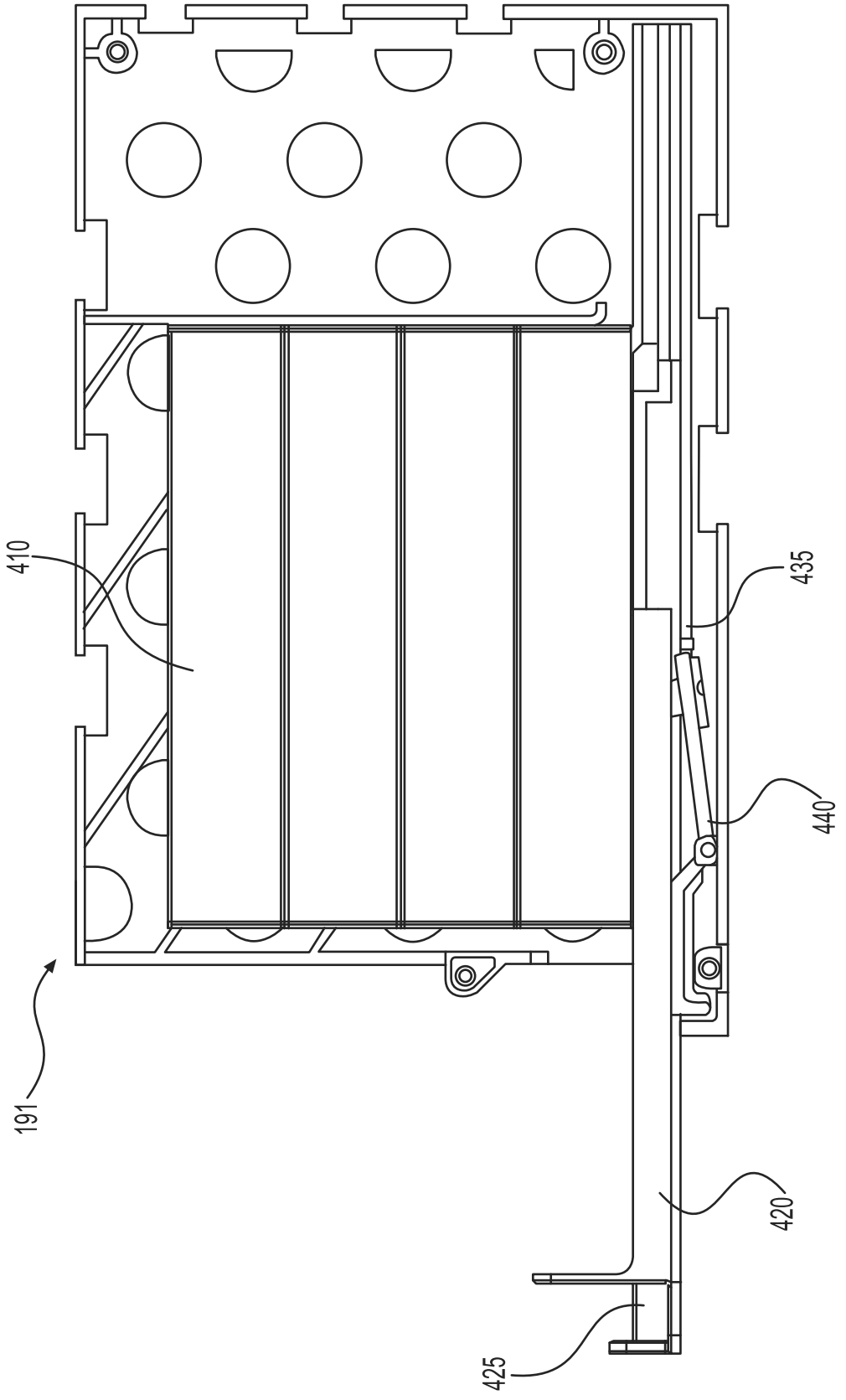


FIG. 4G

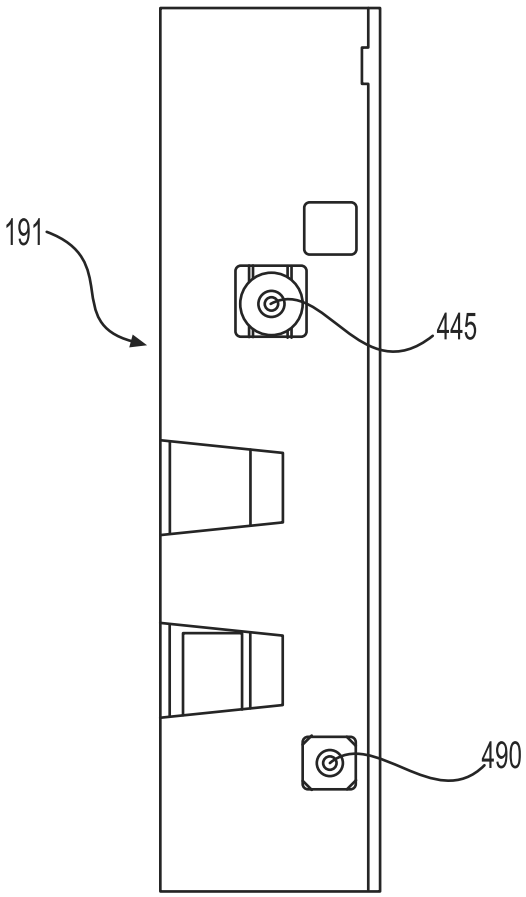


FIG. 4H

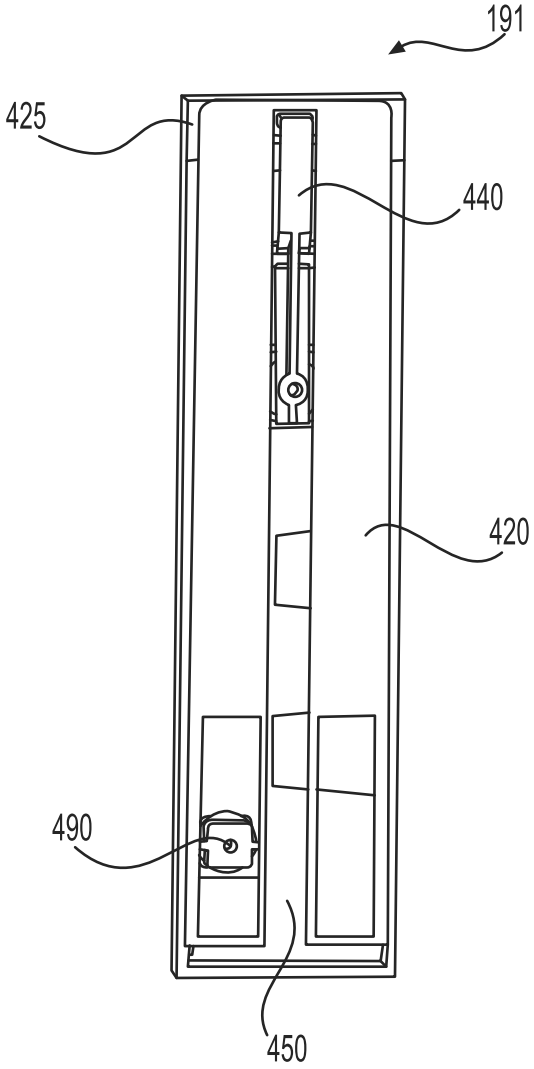


FIG. 4I

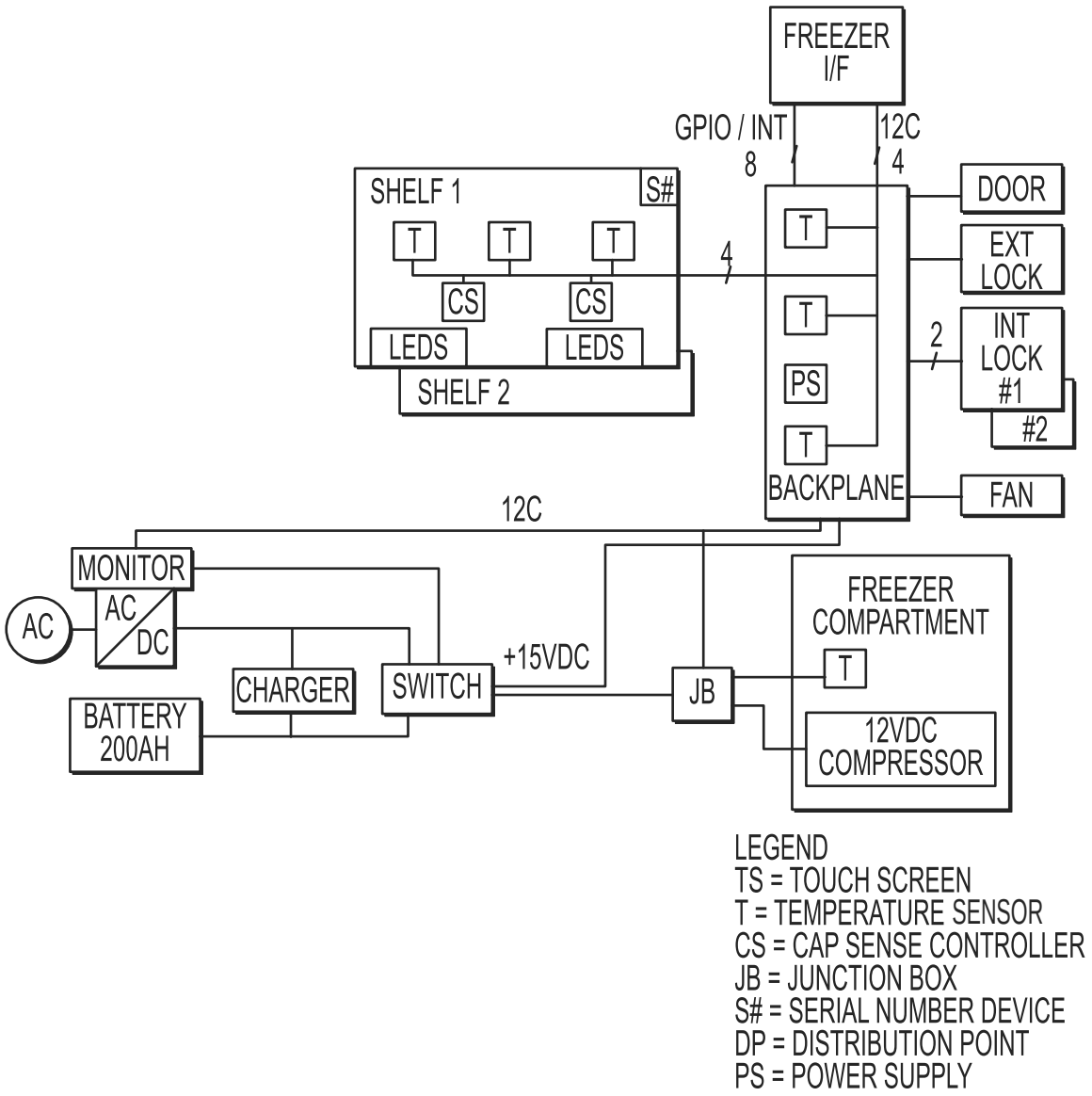

FREEZER I/F
GPIO / INT
8
12C
4
SHELF 1
S#
T
T
T
CS
CS
LEDS
LEDS
SHELF 2
4
T
T
PS
T
BACKPLANE
DOOR
EXT LOCK
2
INT LOCK #1
#2
FAN
12C
MONITOR
AC
AC
DC
CHARGER
SWITCH
+15VDC
JB
BATTERY 200AH
FREEZER COMPARTMENT
T
12VDC COMPRESSOR
LEGEND
TS = TOUCH SCREEN
T = TEMPERATURE SENSOR
CS = CAP SENSE CONTROLLER
JB = JUNCTION BOX
S# = SERIAL NUMBER DEVICE
DP = DISTRIBUTION POINT
PS = POWER SUPPLY

FIG. 5

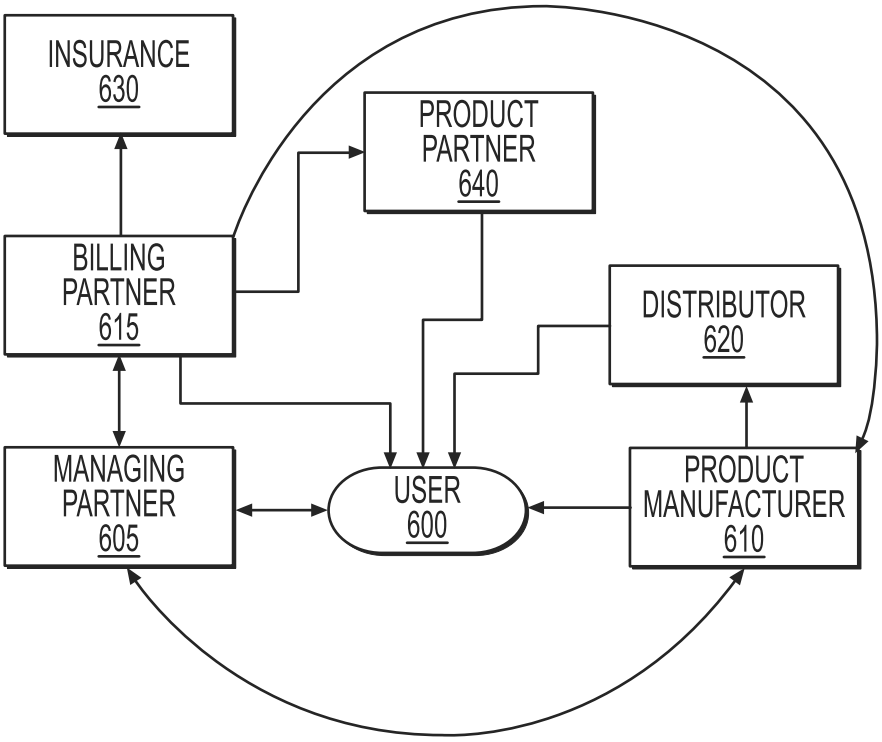

INSURANCE
630
PRODUCT
PARTNER
640
BILLING
PARTNER
615
DISTRIBUTOR
620
MANAGING
PARTNER
605
USER
600
PRODUCT
MANUFACTURER
610

FIG. 6

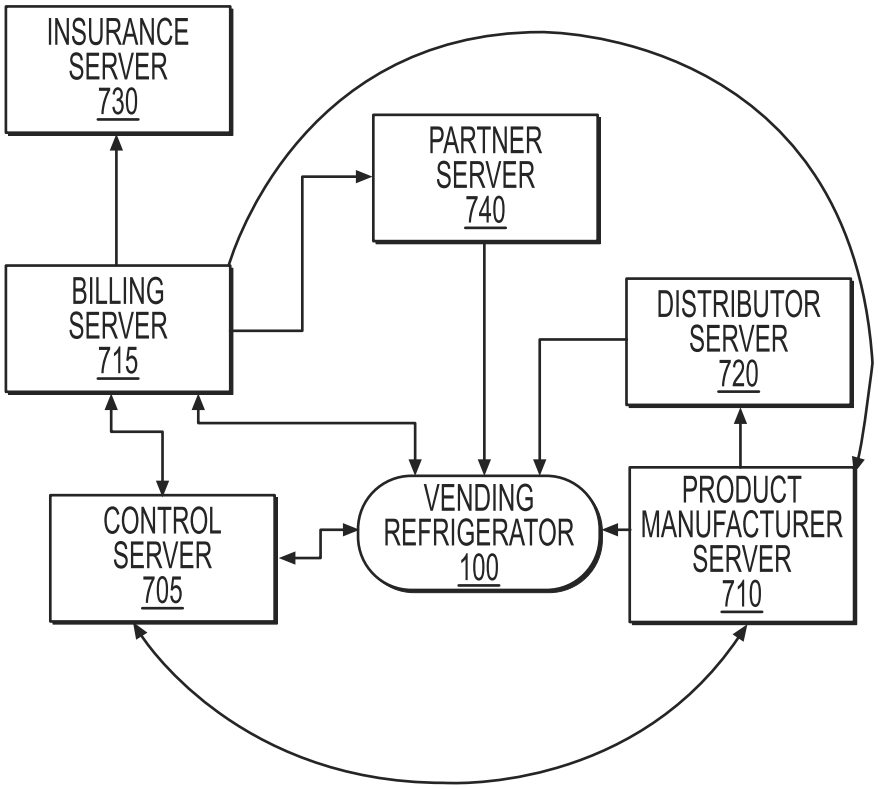

INSURANCE SERVER 730
PARTNER SERVER 740
BILLING SERVER 715
DISTRIBUTOR SERVER 720
CONTROL SERVER 705
VENDING REFRIGERATOR 100
PRODUCT MANUFACTURER SERVER 710

FIG. 7

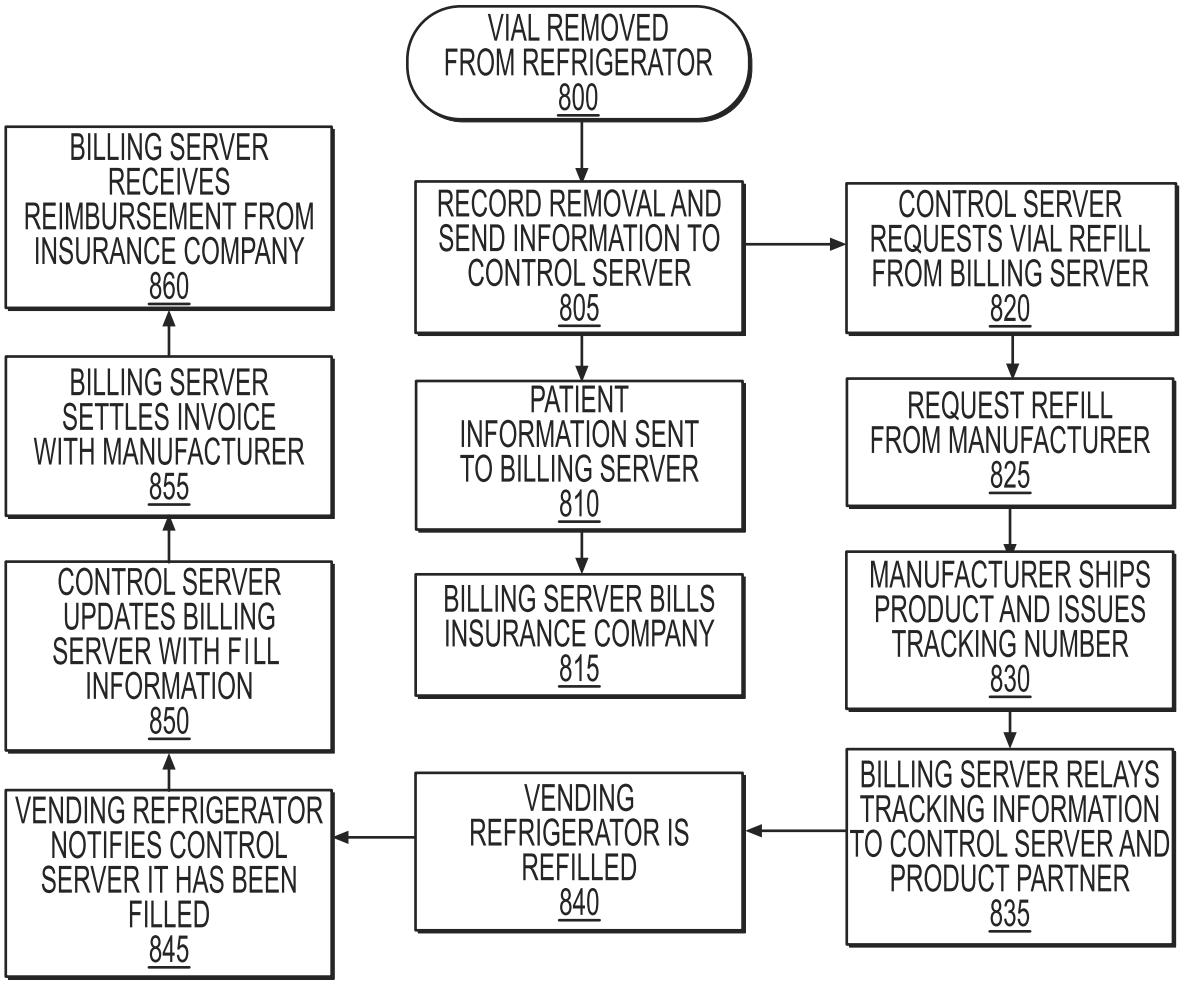

VIAL REMOVED FROM REFRIGERATOR 800
RECORD REMOVAL AND SEND INFORMATION TO CONTROL SERVER 805
CONTROL SERVER REQUESTS VIAL REFILL FROM BILLING SERVER 820
PATIENT INFORMATION SENT TO BILLING SERVER 810
REQUEST REFILL FROM MANUFACTURER 825
BILLING SERVER BILLS INSURANCE COMPANY 815
MANUFACTURER SHIPS PRODUCT AND ISSUES TRACKING NUMBER 830
VENDING REFRIGERATOR IS REFILLED 840
BILLING SERVER RELAYS TRACKING INFORMATION TO CONTROL SERVER AND PRODUCT PARTNER 835
VENDING REFRIGERATOR NOTIFIES CONTROL SERVER IT HAS BEEN FILLED 845
CONTROL SERVER UPDATES BILLING SERVER WITH FILL INFORMATION 850
BILLING SERVER SETTLES INVOICE WITH MANUFACTURER 855
BILLING SERVER RECEIVES REIMBURSEMENT FROM INSURANCE COMPANY 860

FIG. 8