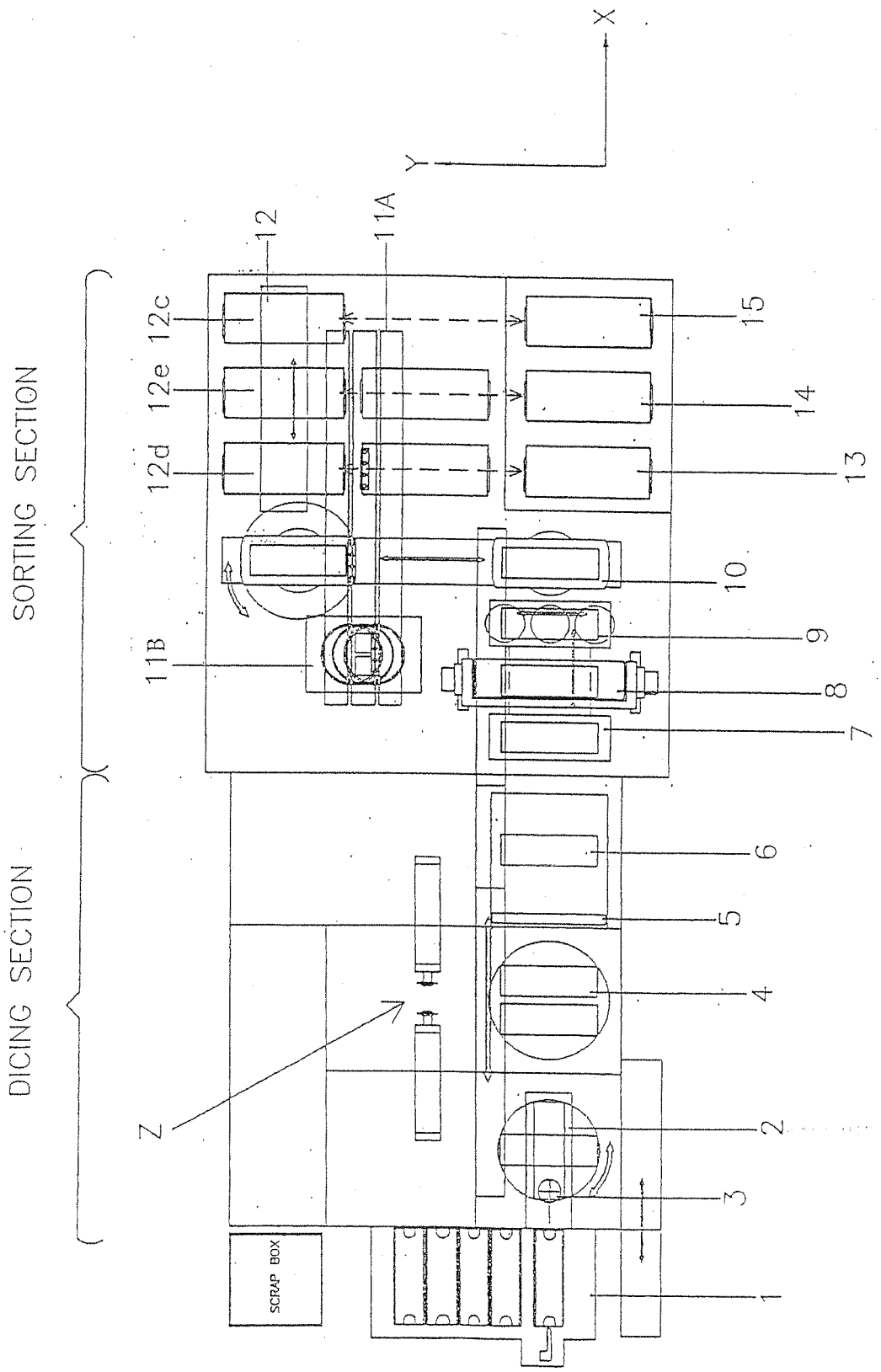

X
Y
Z
12
11A
12c
12e
12d
15
14
13
10
9
8
7
11B
6
5
4
2
3
1
SCRAP BOX
SORTING SECTION
DICING SECTION

Figure 1(a)

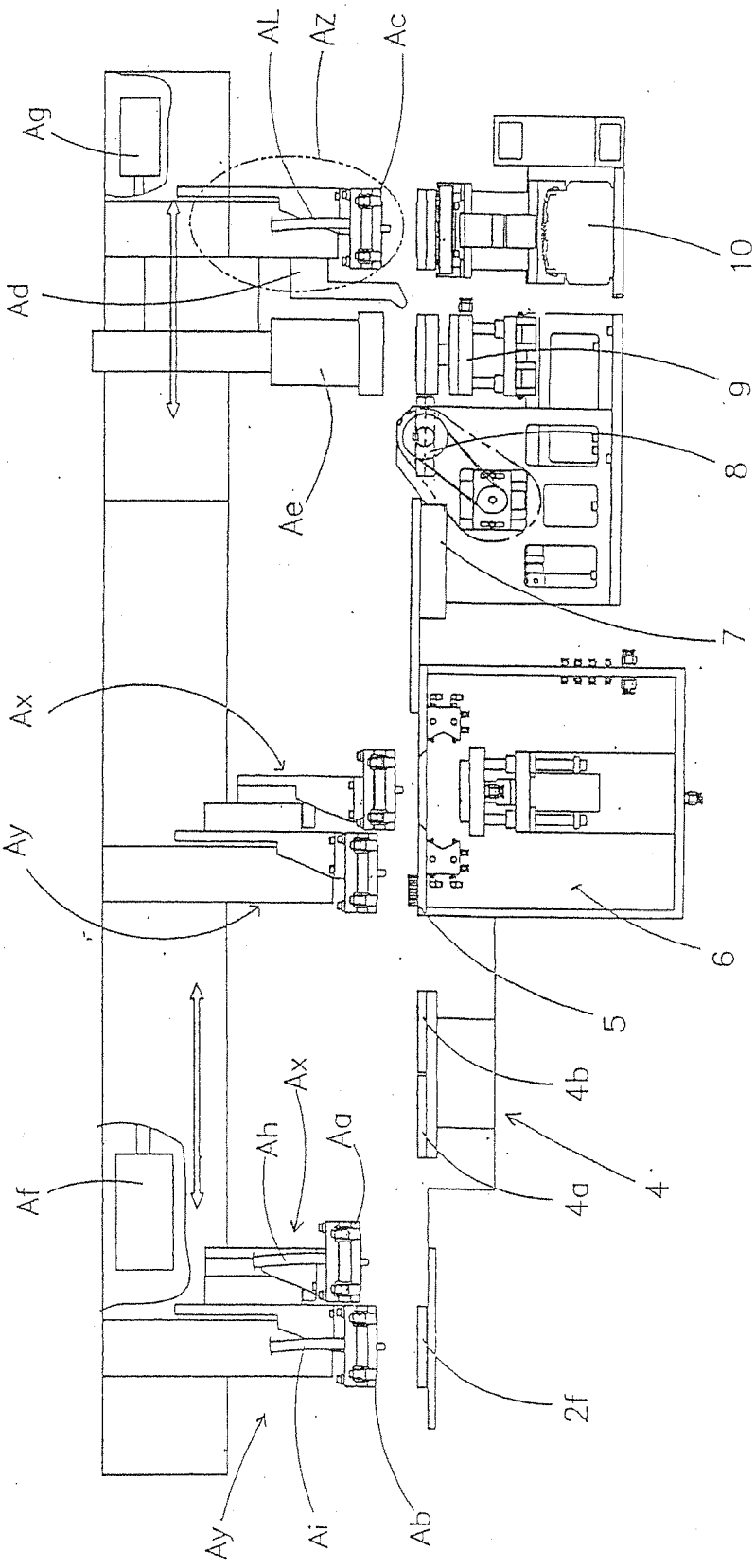


Figure 1(b)

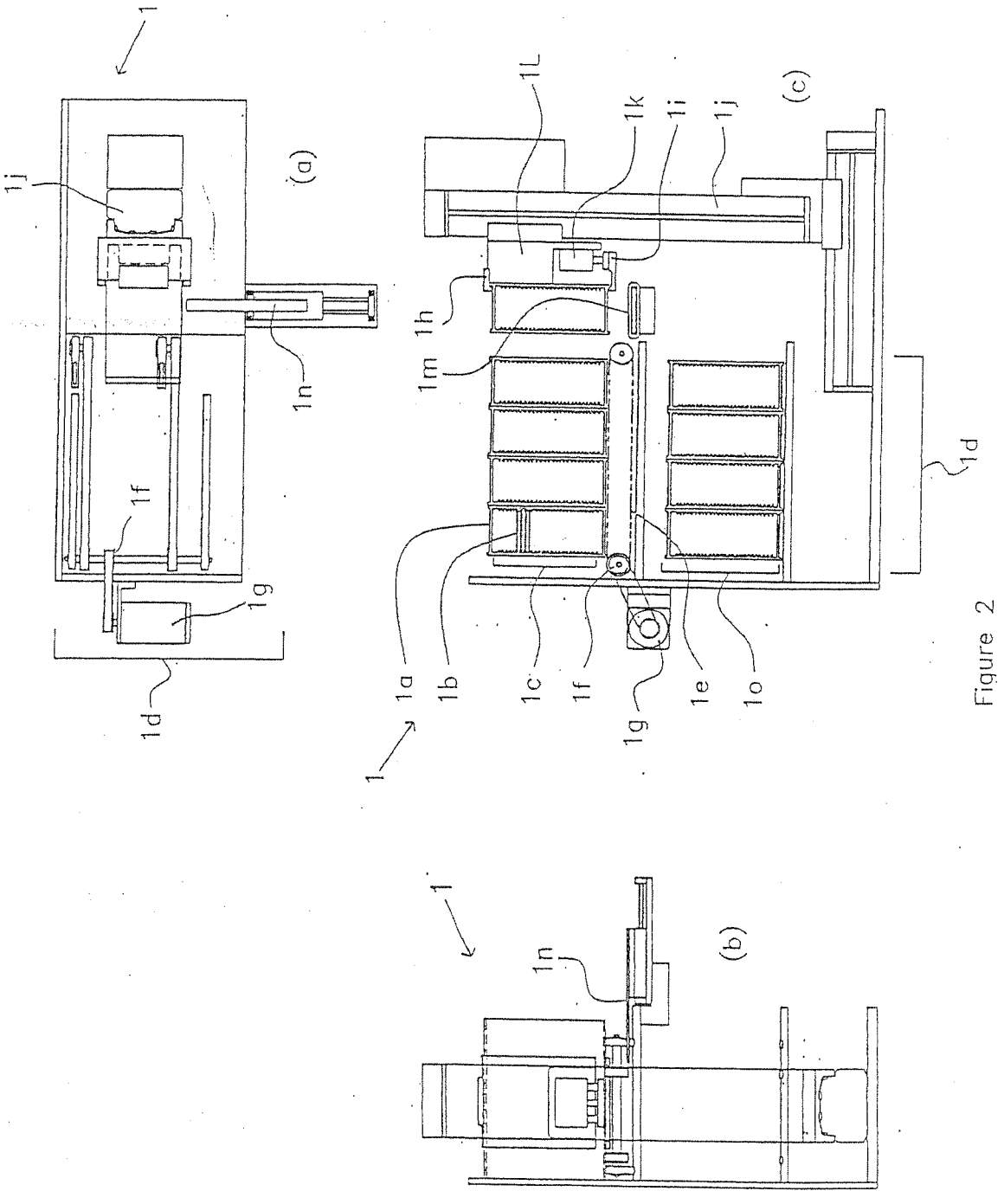


Figure 2

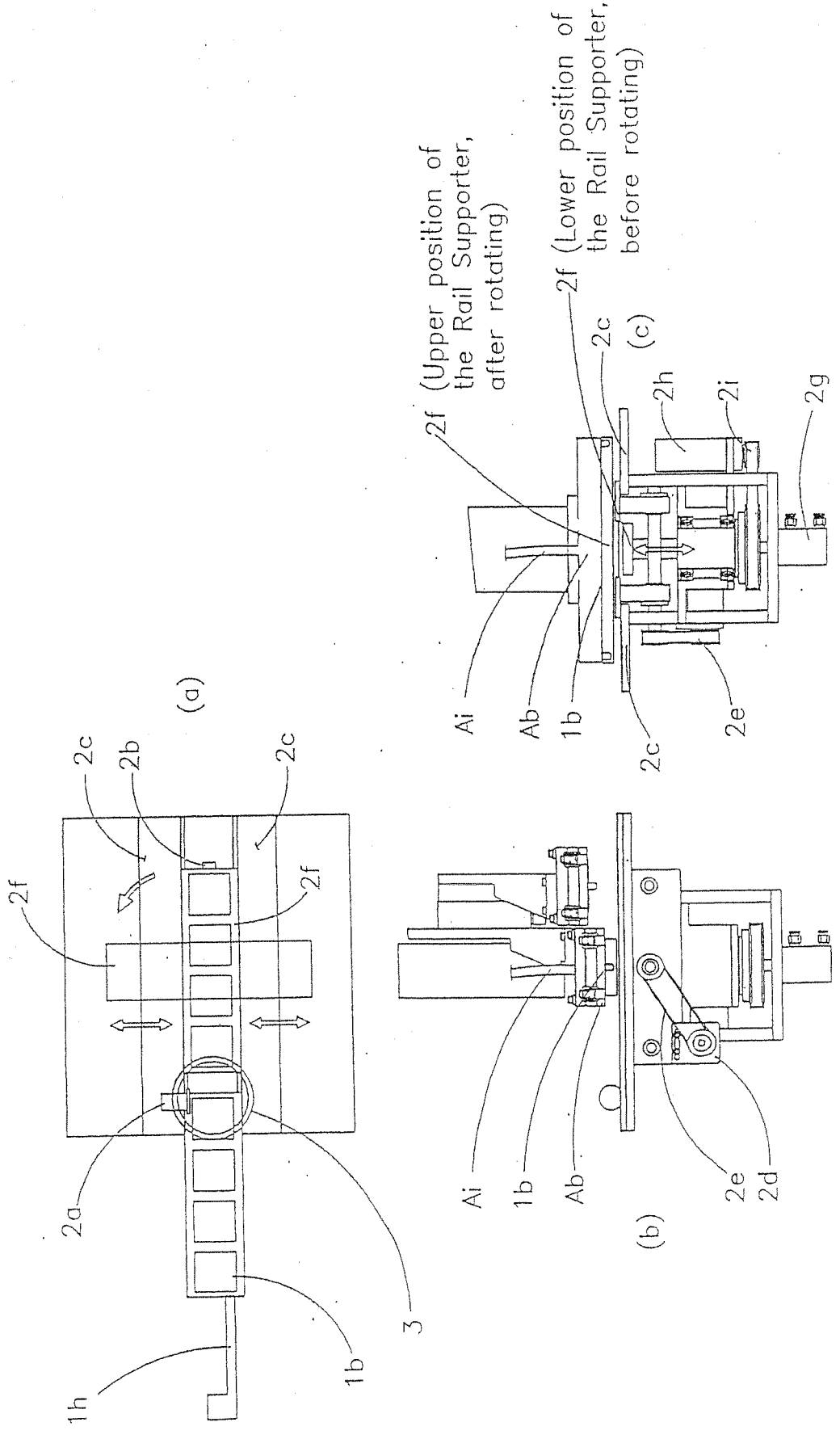

(a)
2c
2b
2c
2f
2f
2a
3
1h
1b
(b)
Ai
1b
Ab
2e
2d
(c)
2f (Upper position of the Rail Supporter, after rotating)
2f (Lower position of the Rail Supporter, before rotating)
2c
2h
2i
2g
Ai
Ab
1b
2c
2e

Figure 3

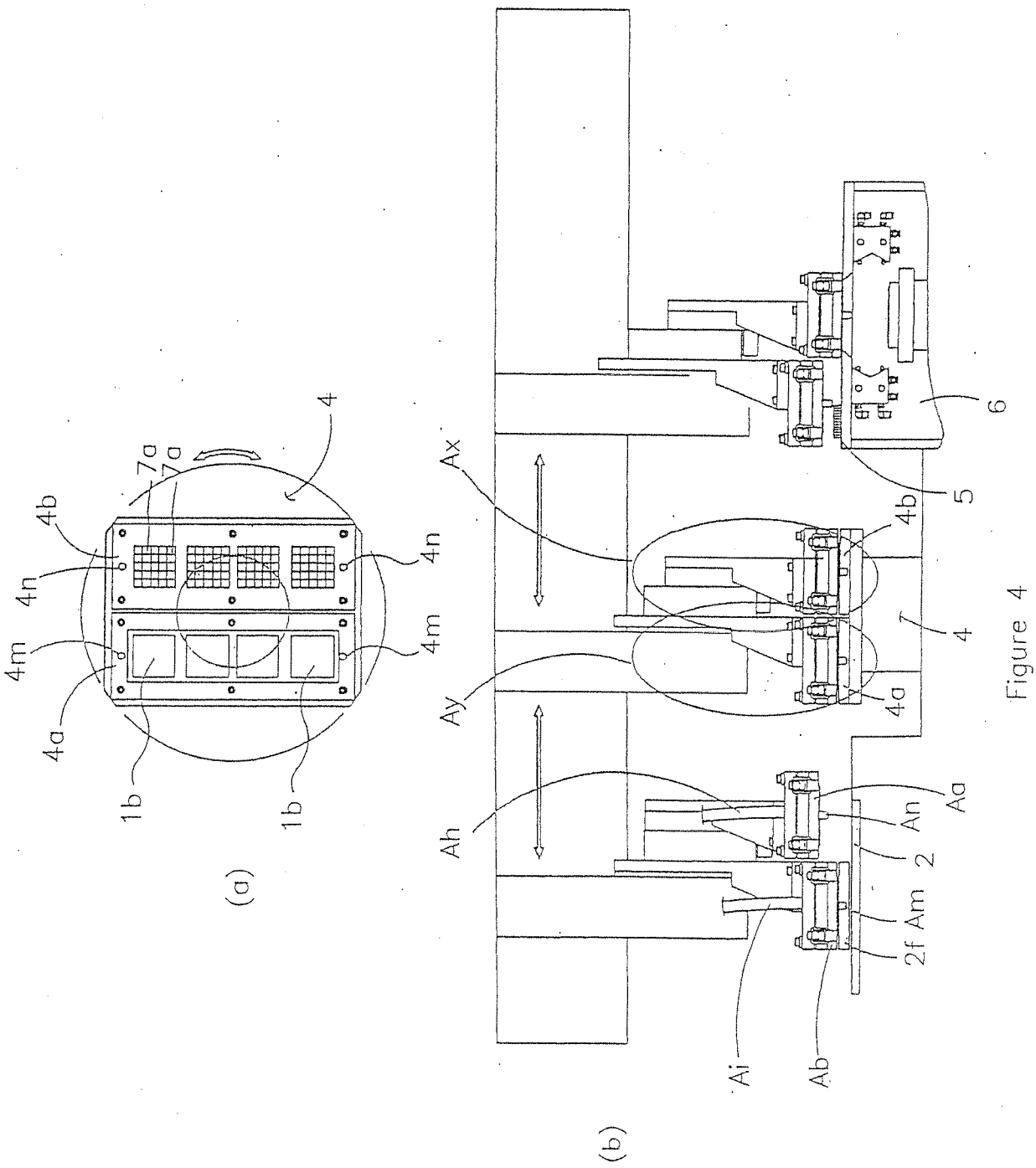

(a)
4
7a
7a
4b
4n
4n
4m
4m
4a
1b
1b
4n
4m
(b)
Ax
Ay
Ah
Ai
Ab
Aa
An
Am
2
2f
4b
4a
7
4
5
6

Figure 4

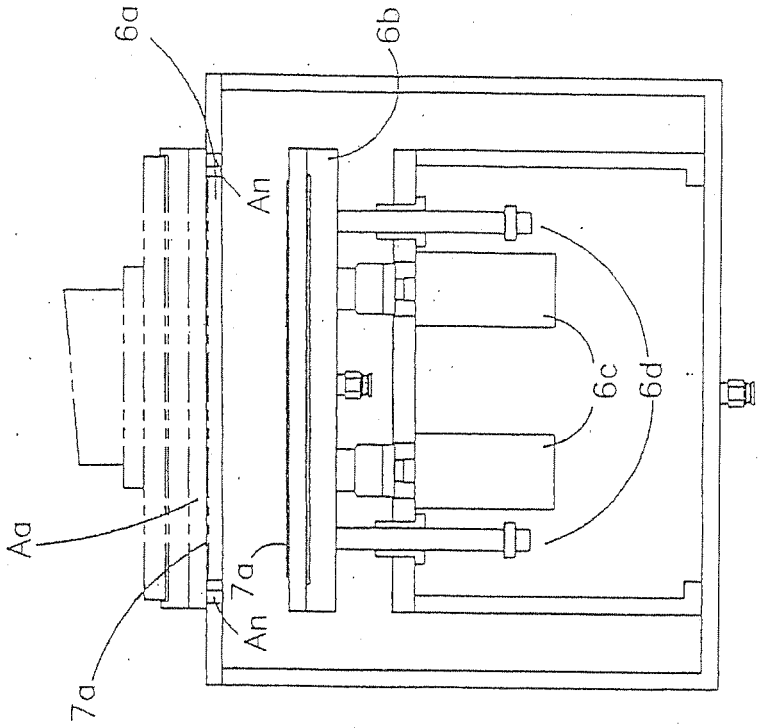


Figure 6

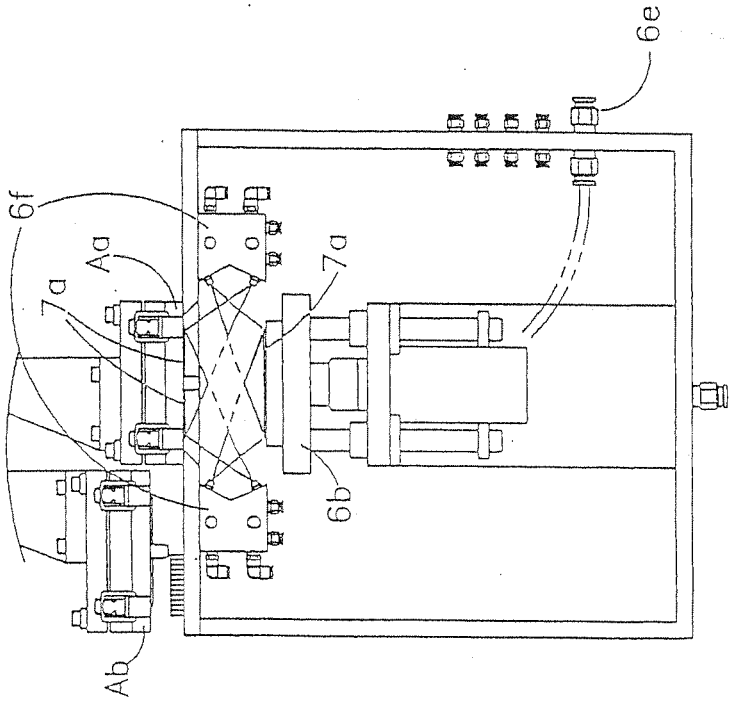
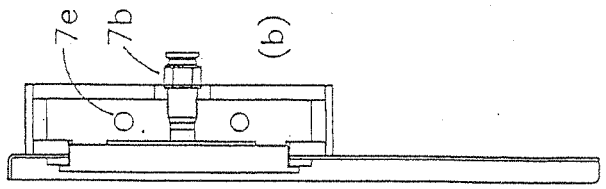
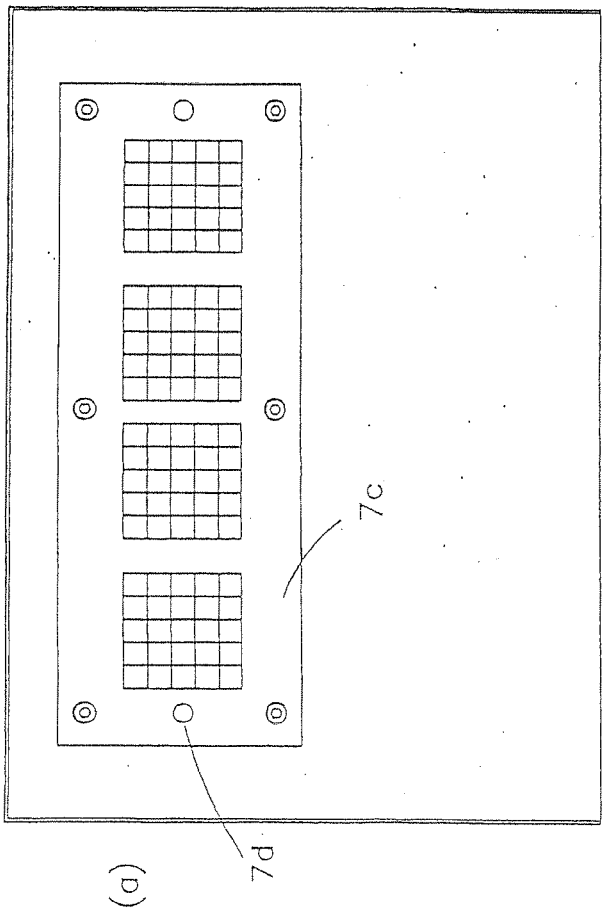


Figure 5





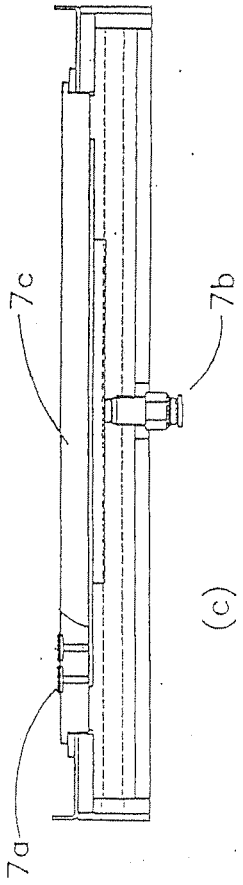


Figure 7

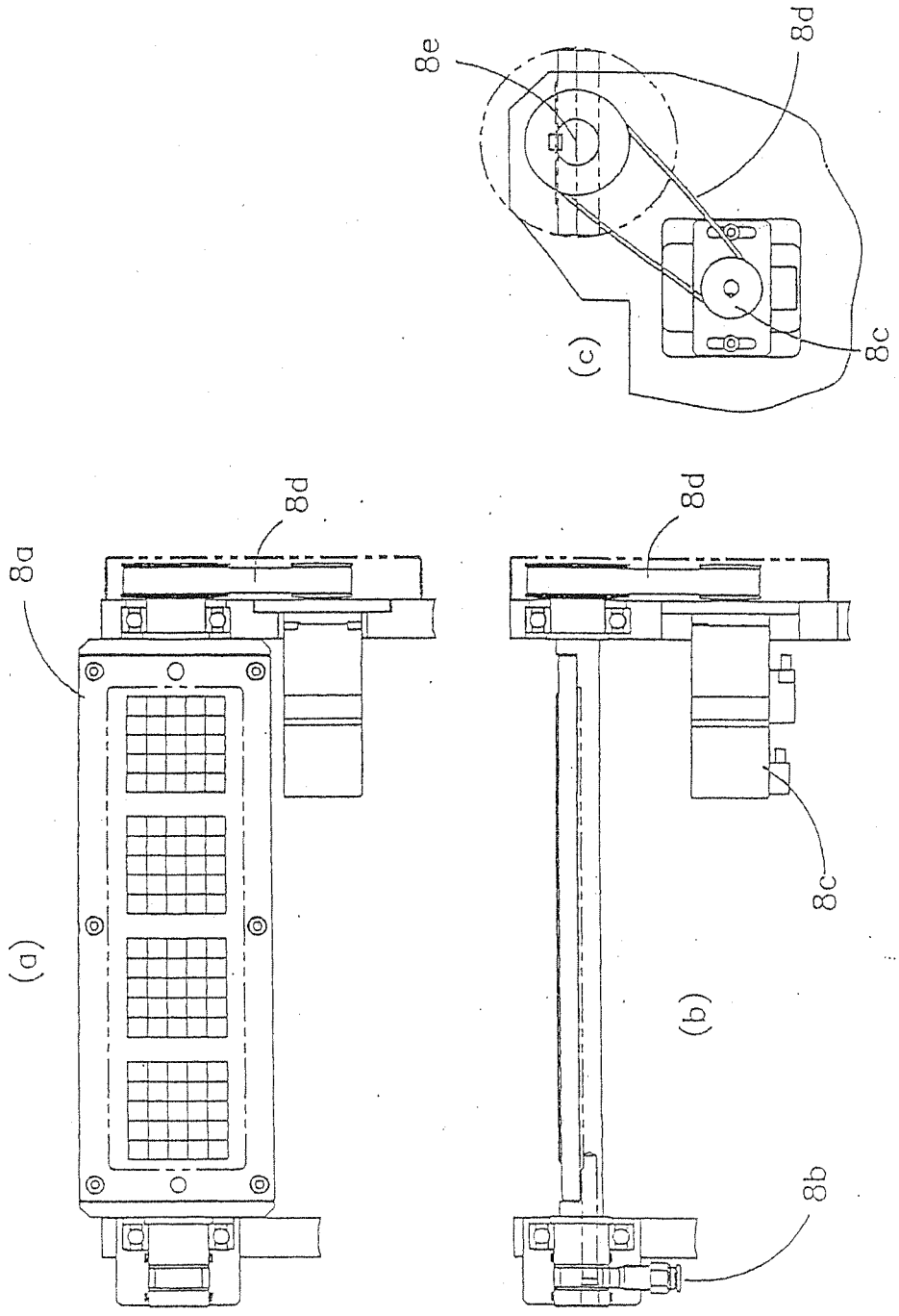


Figure 8

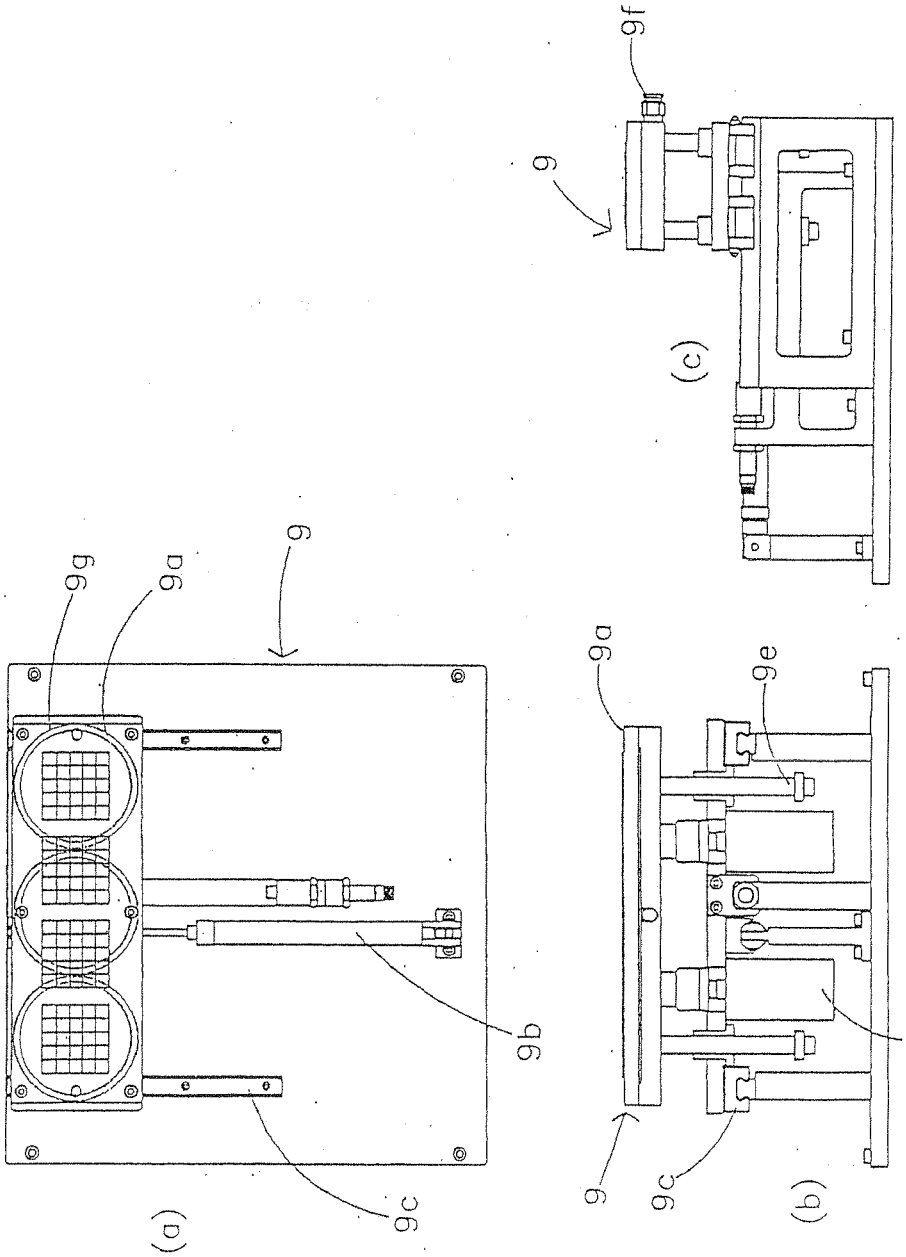


Figure 9

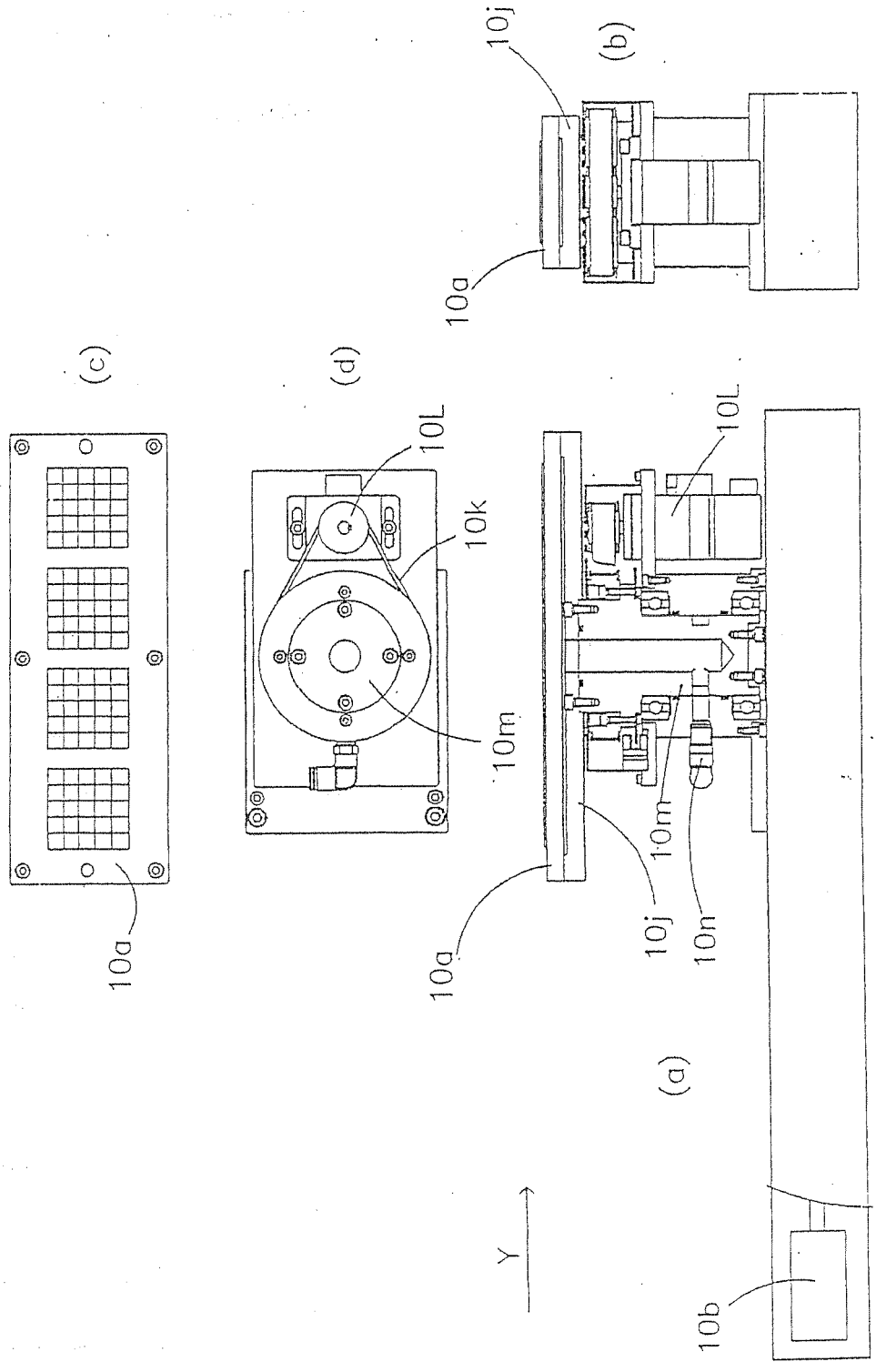


Figure 10(a)

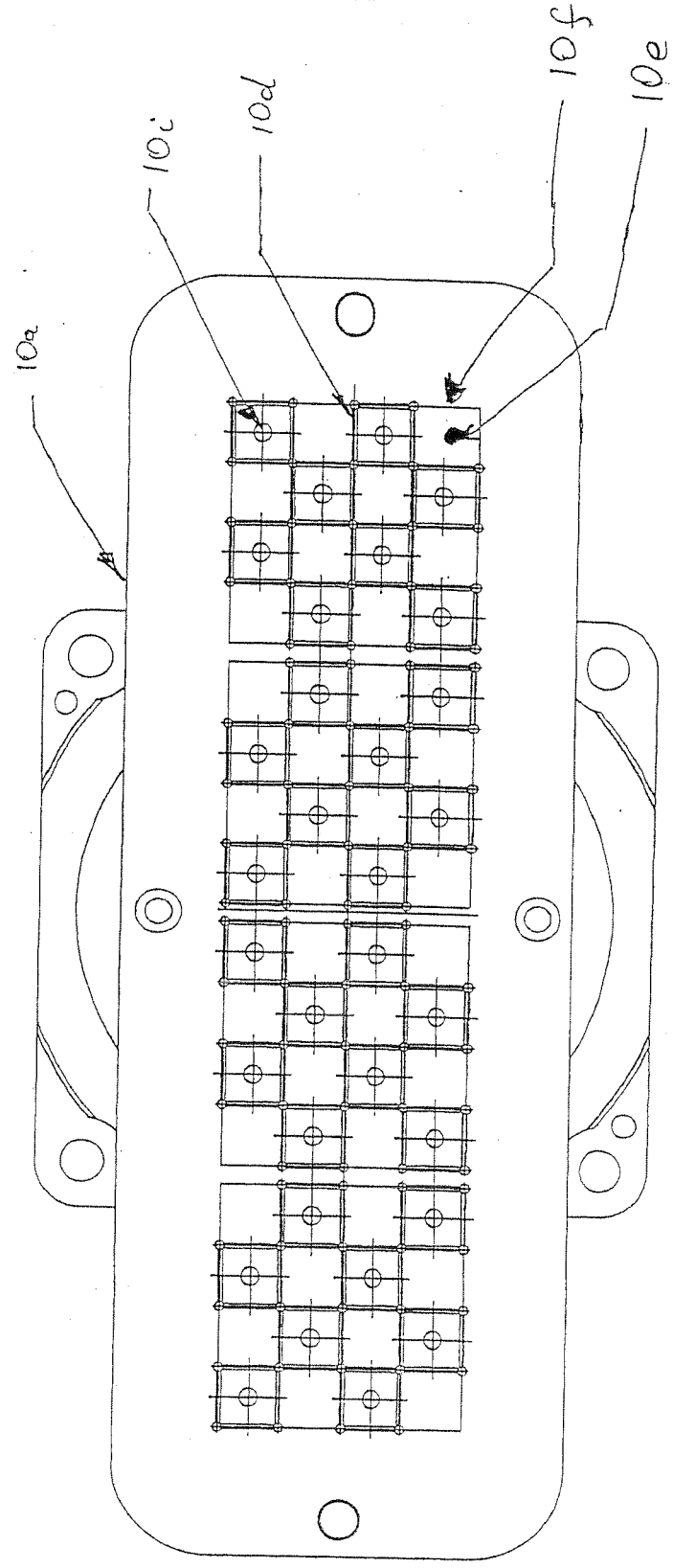


FIGURE 10(b)

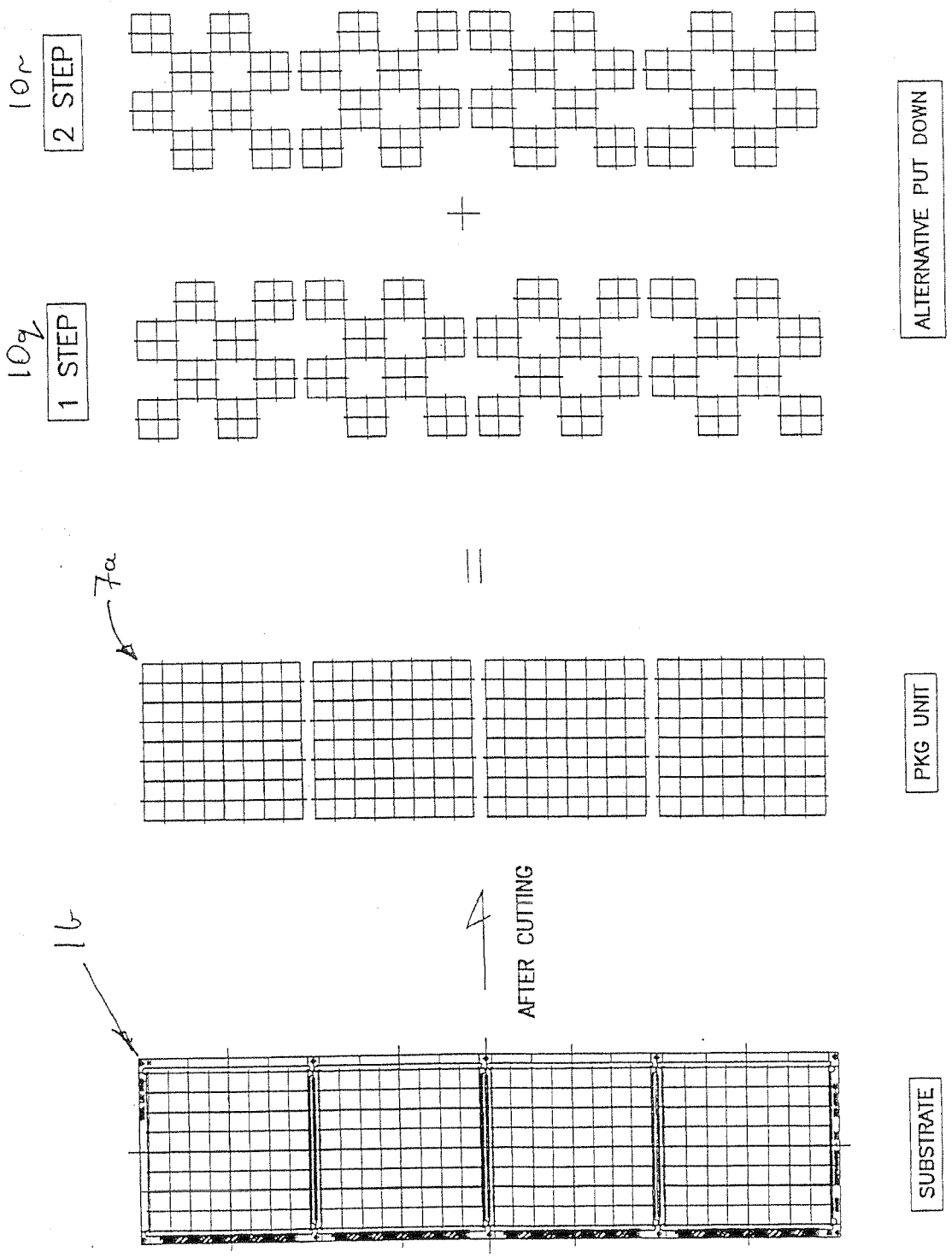

10c
2 STEP
10a
1 STEP
ALTERNATIVE PUT DOWN
7a
PKG UNIT
AFTER CUTTING
16
SUBSTRATE

FIGURE 10(e)

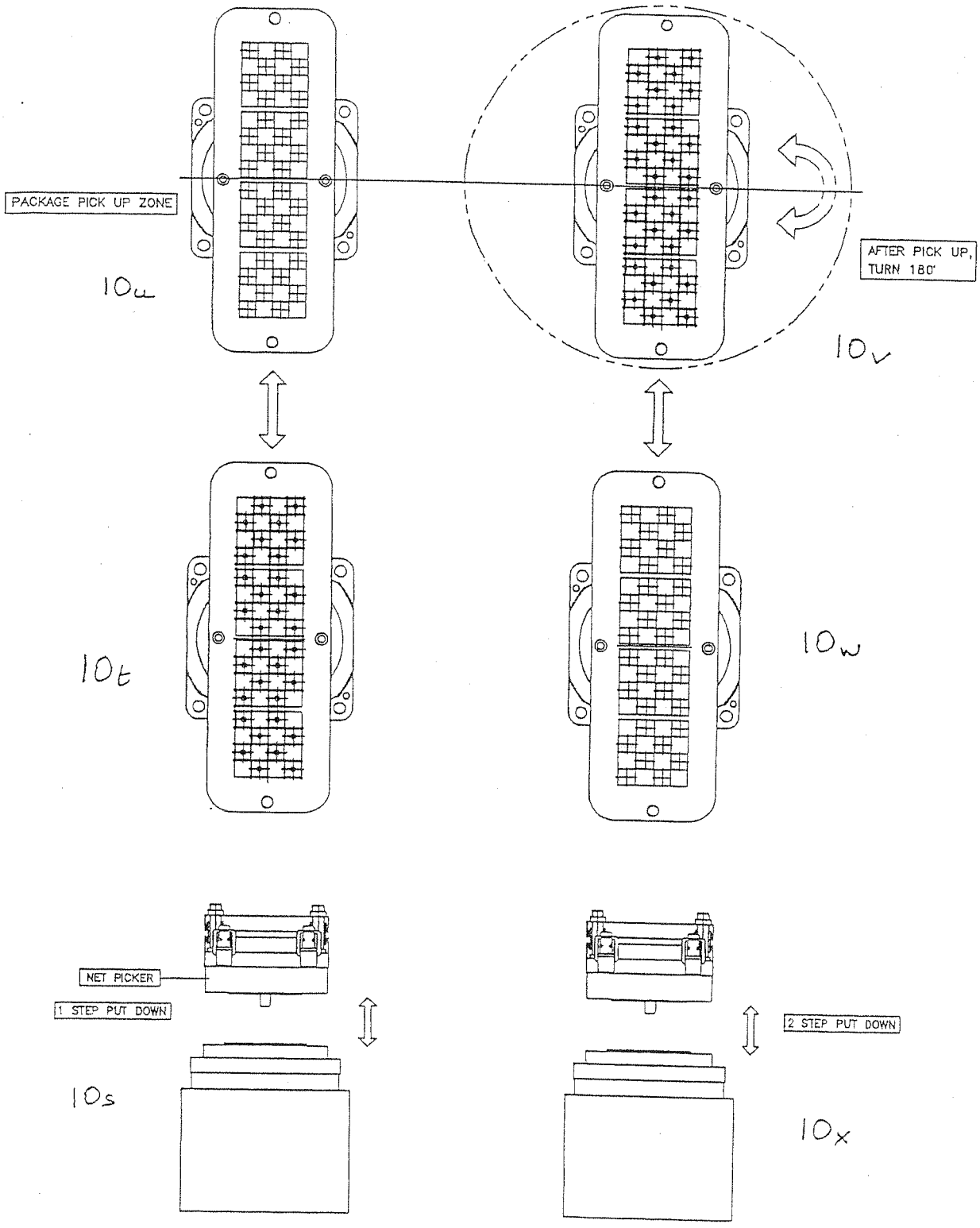

PACKAGE PICK UP ZONE
10u
AFTER PICK UP, TURN 180°
10v
10t
10w
NET PICKER
1 STEP PUT DOWN
10s
2 STEP PUT DOWN
10x

FIGURE 10(b)

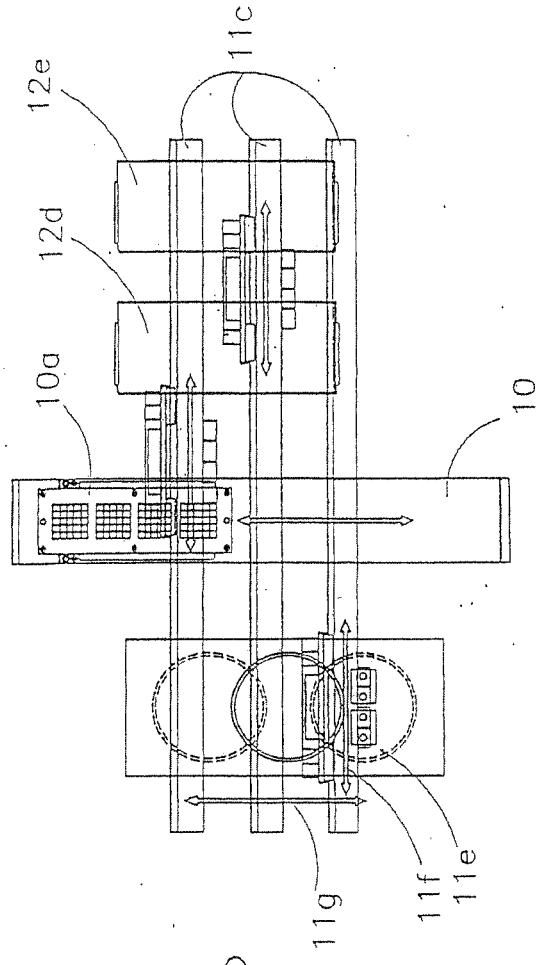


FIGURE 11(a)

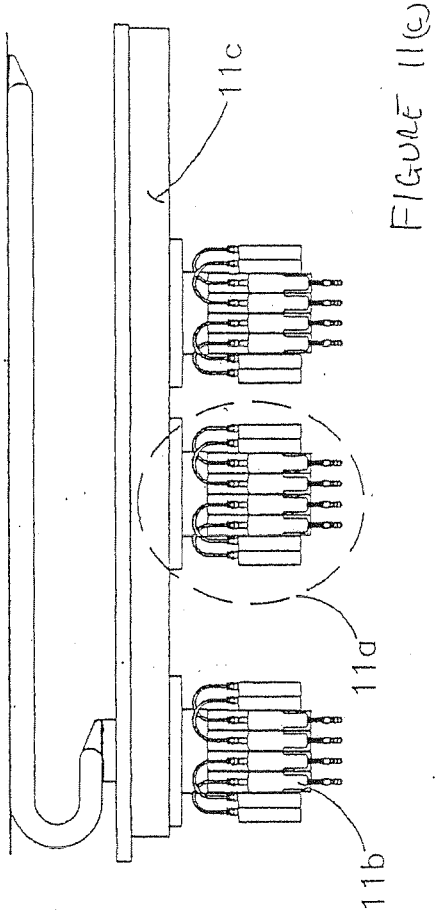


FIGURE 11(c)

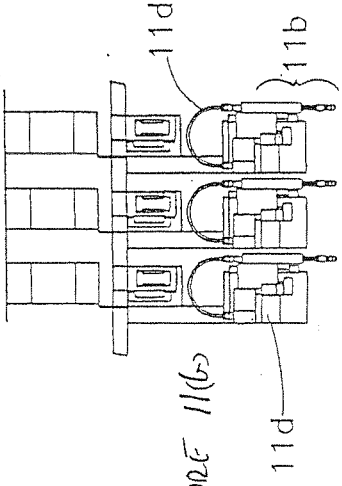


FIGURE 11(b)

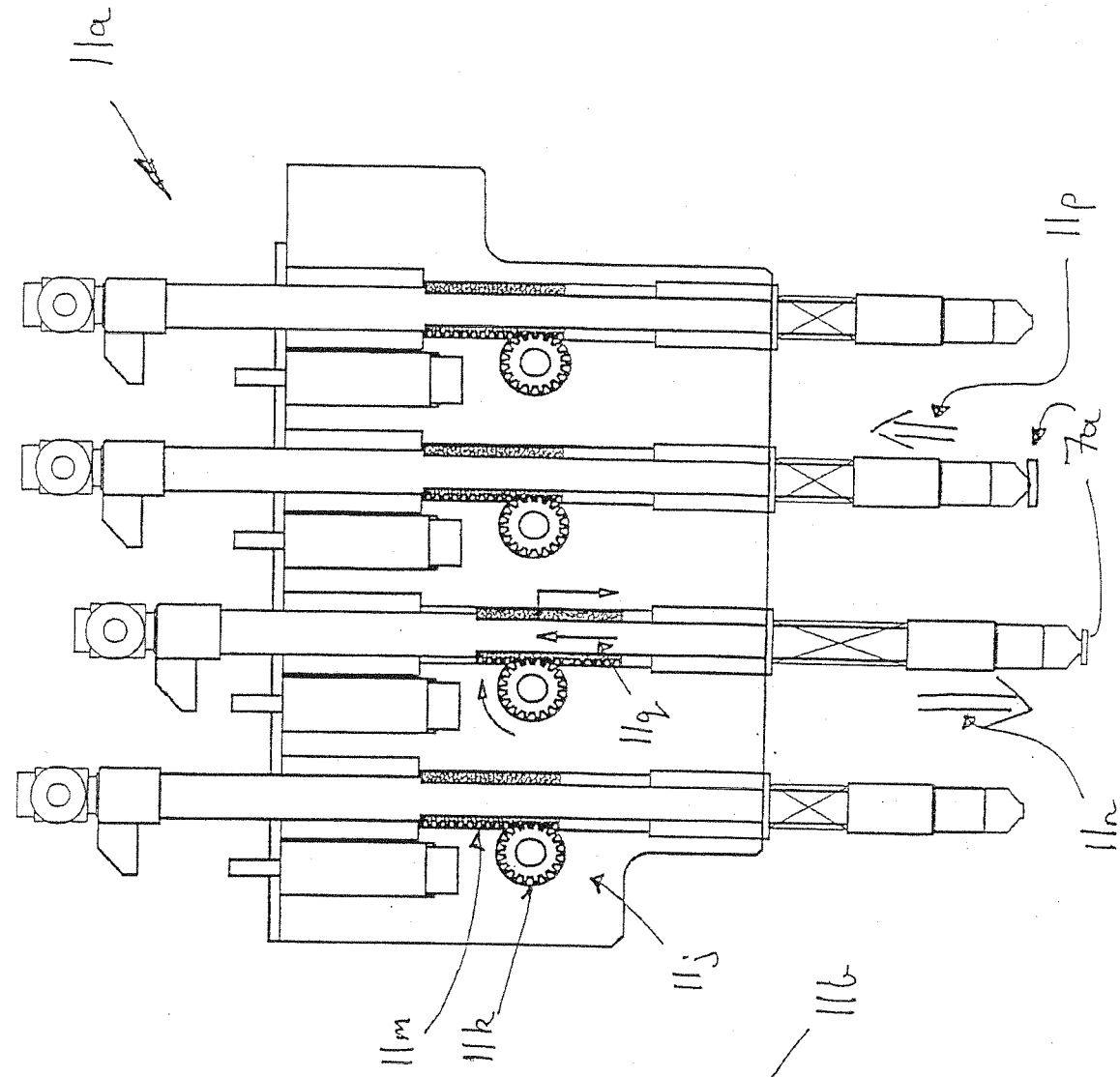


FIGURE 11(e)

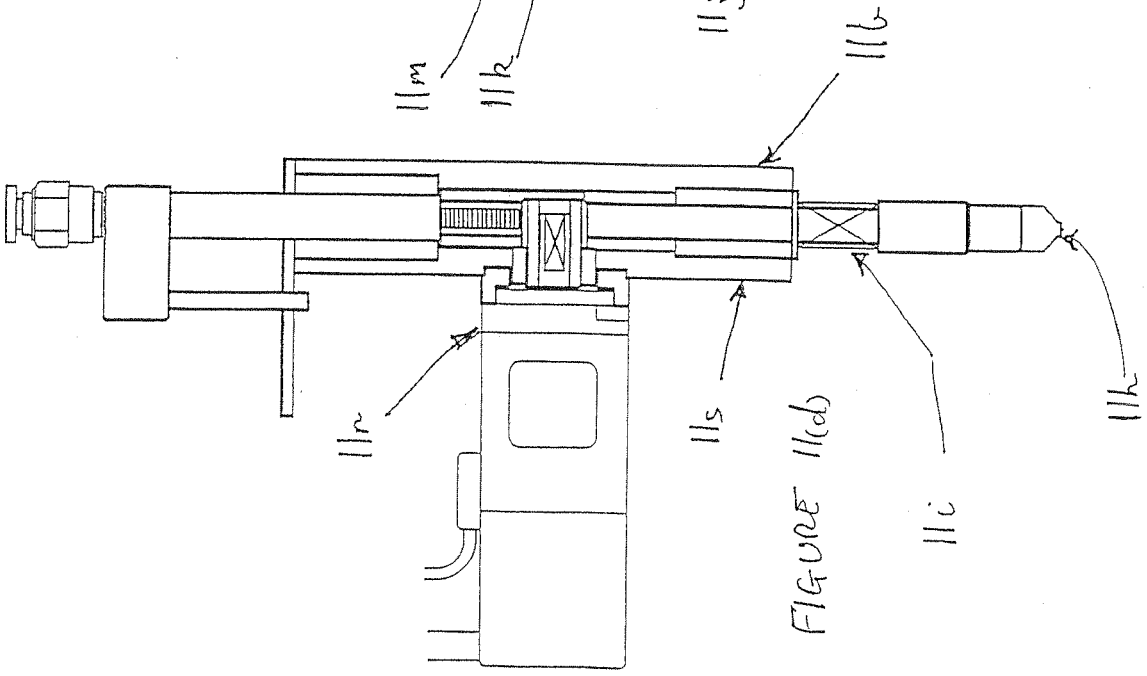


FIGURE 11(d)

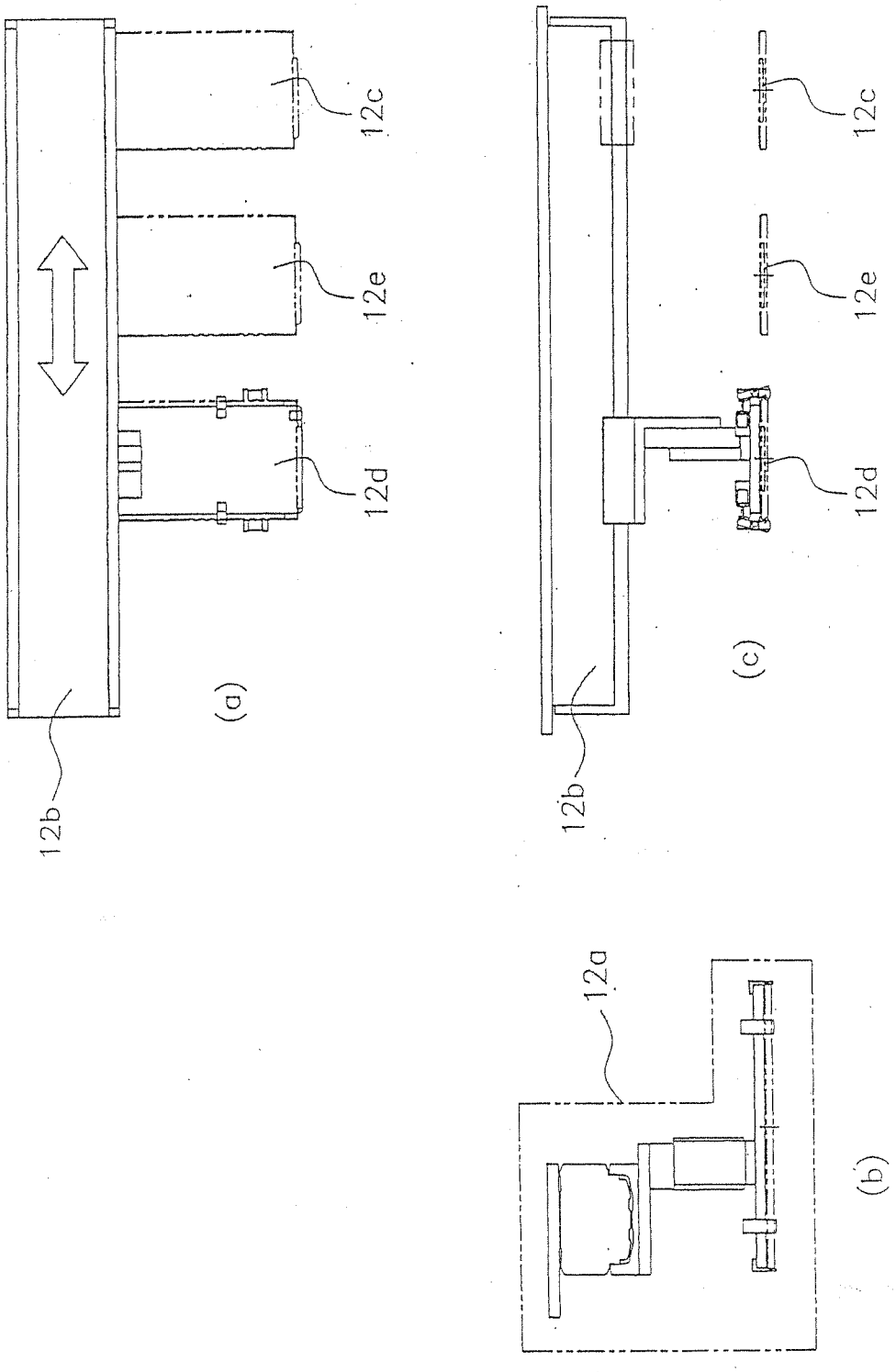


Figure 12

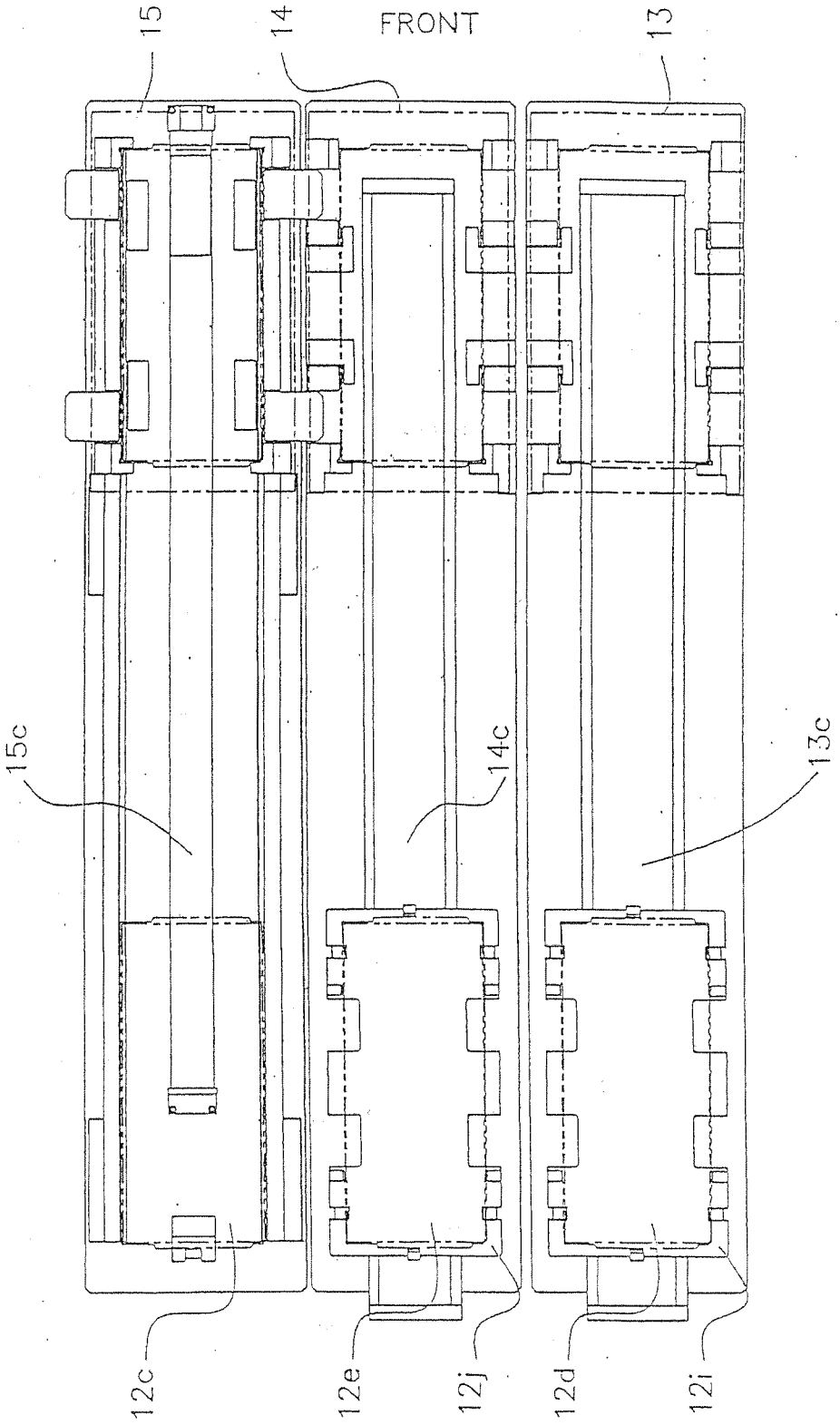


Figure 13

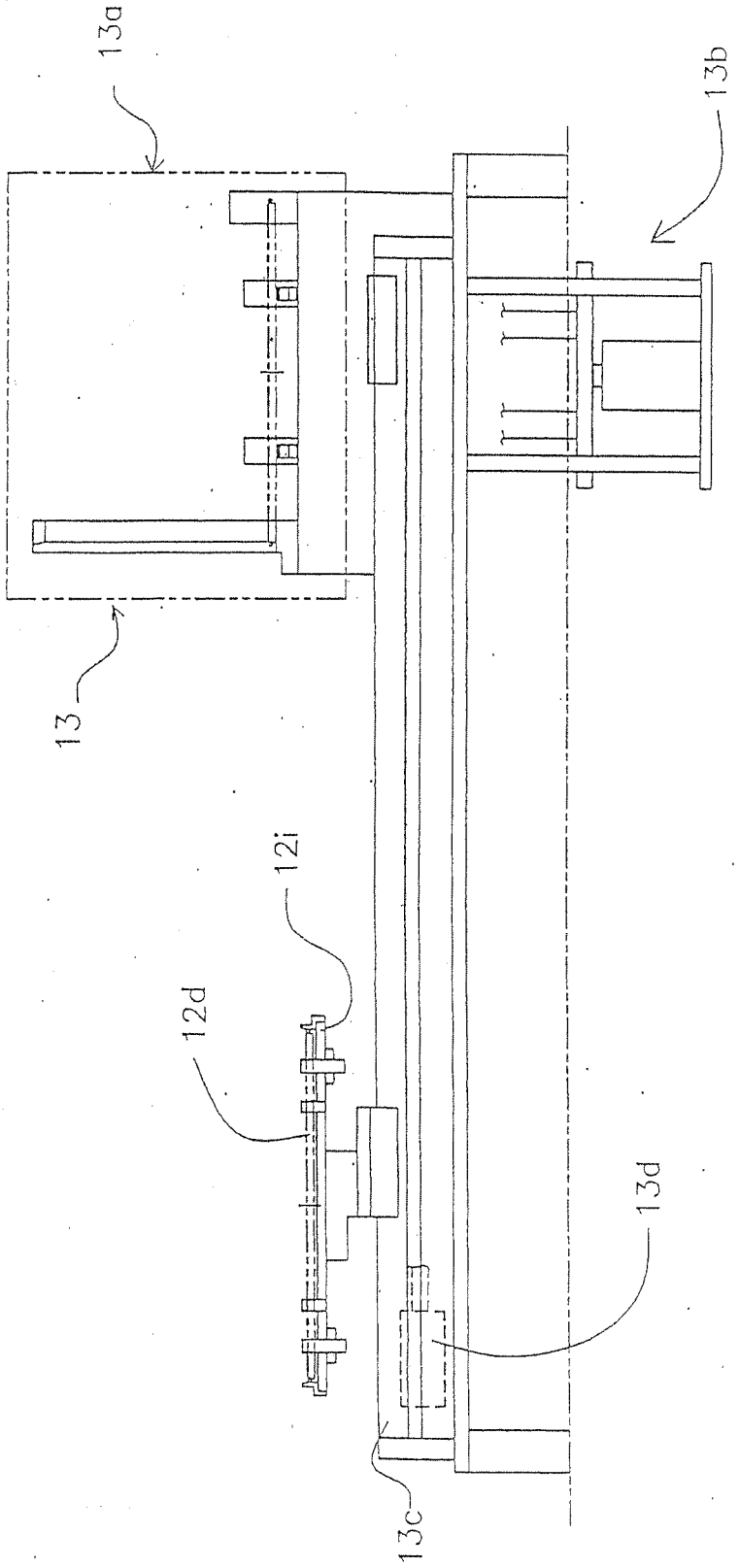


Figure 14(a)

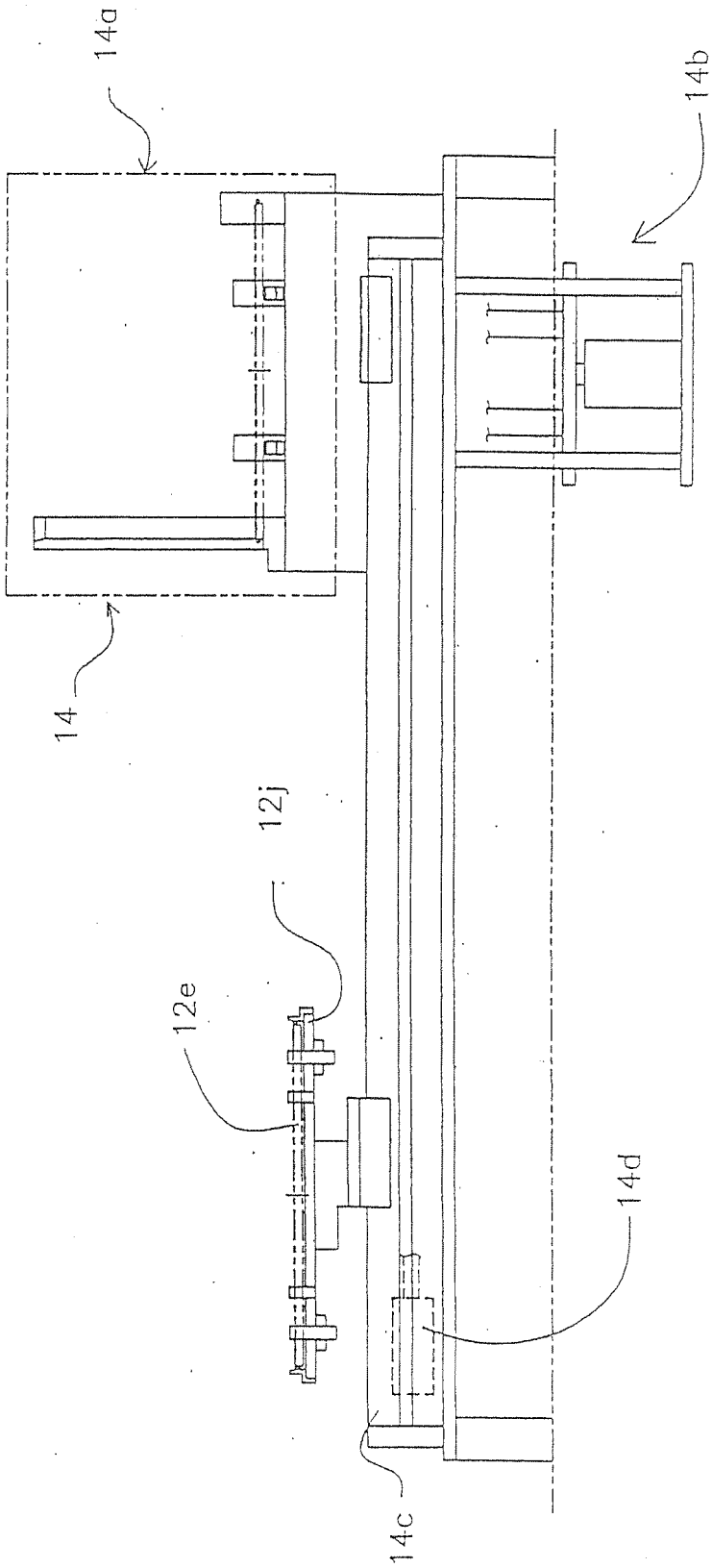


Figure 14(b)

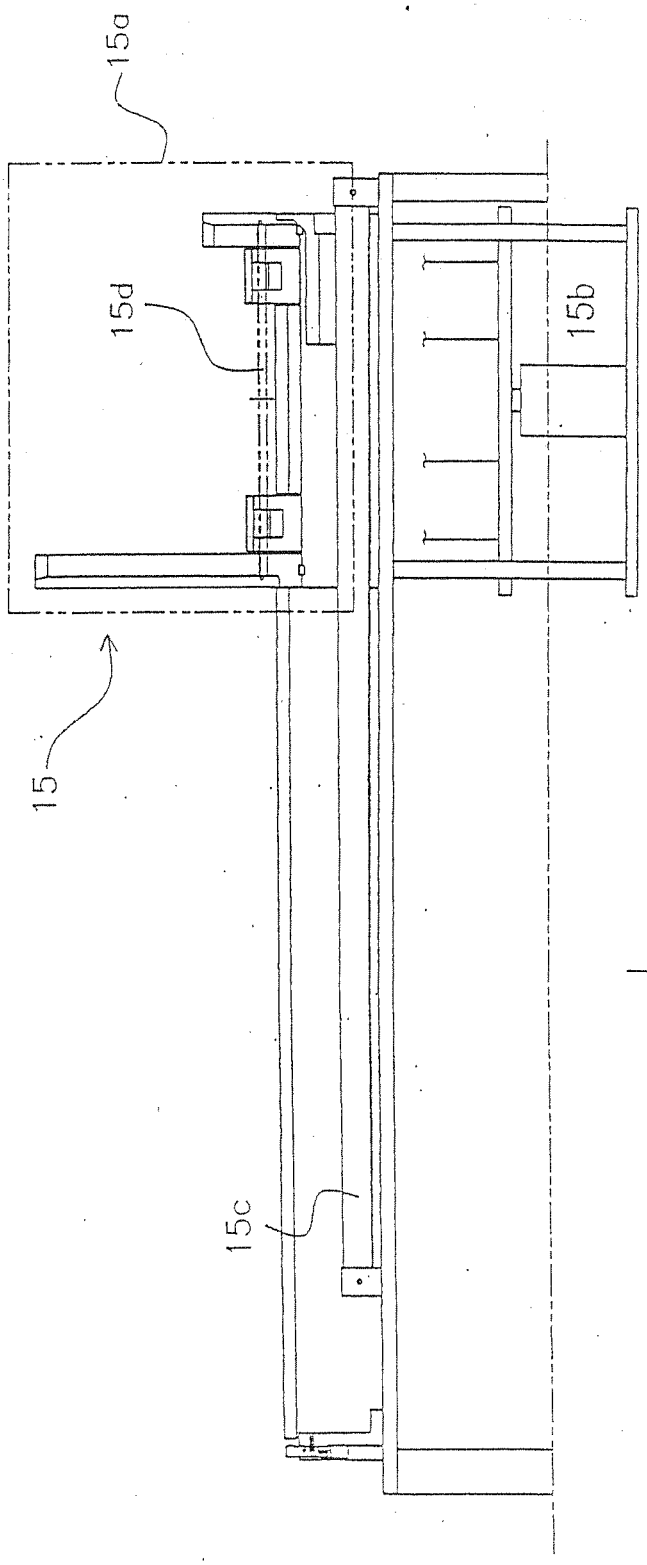


Figure 15