163163

G00001

A-99036 FIGS. 1 – 36

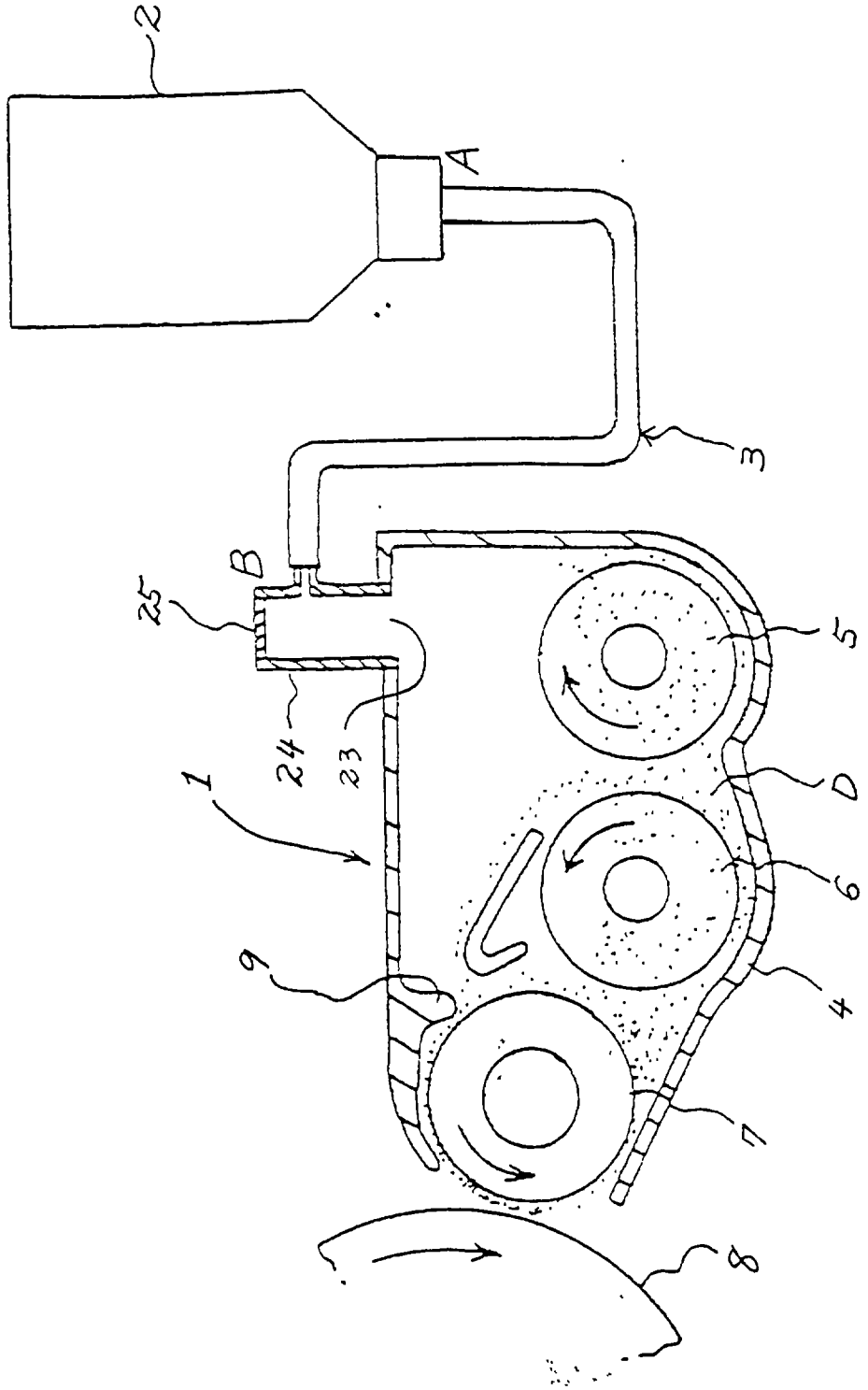


FIG. 1

FIG. 2

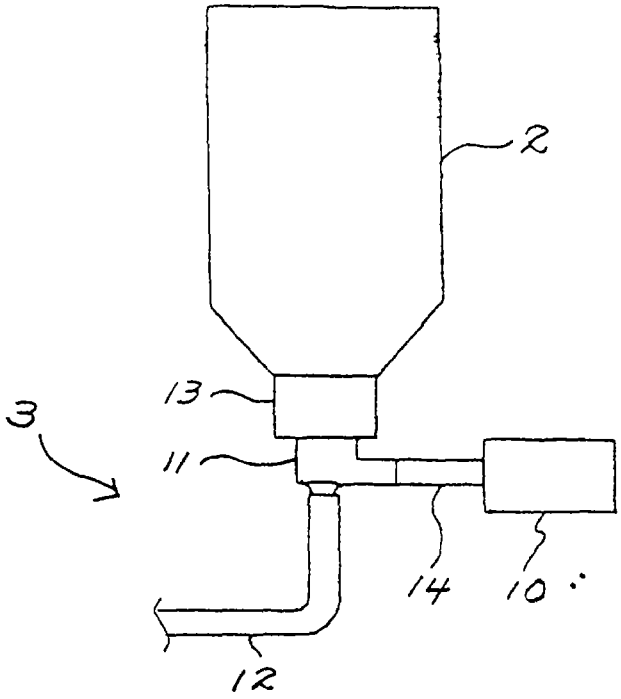


FIG. 3-1

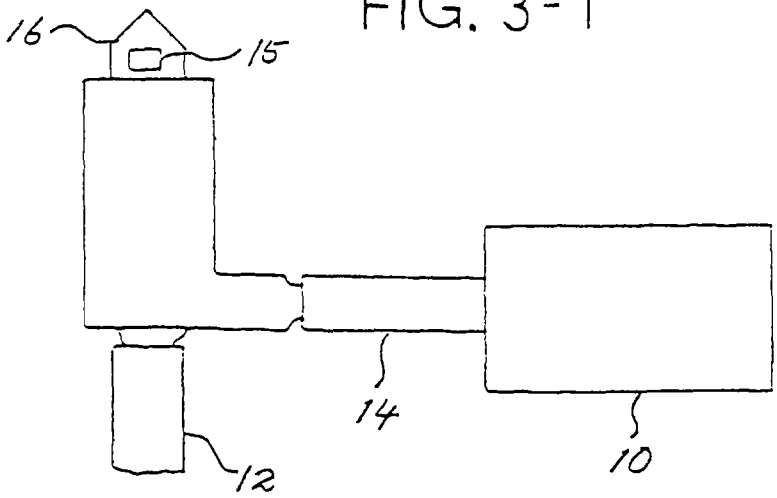


FIG. 3-2

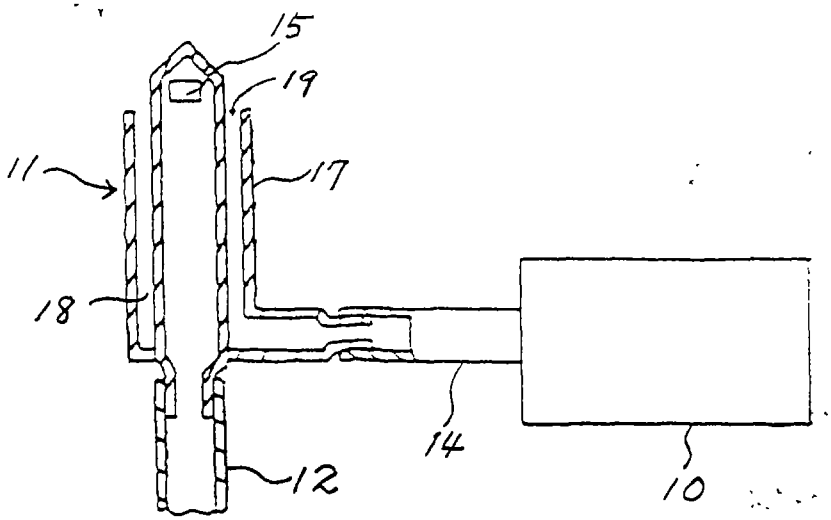


FIG. 4

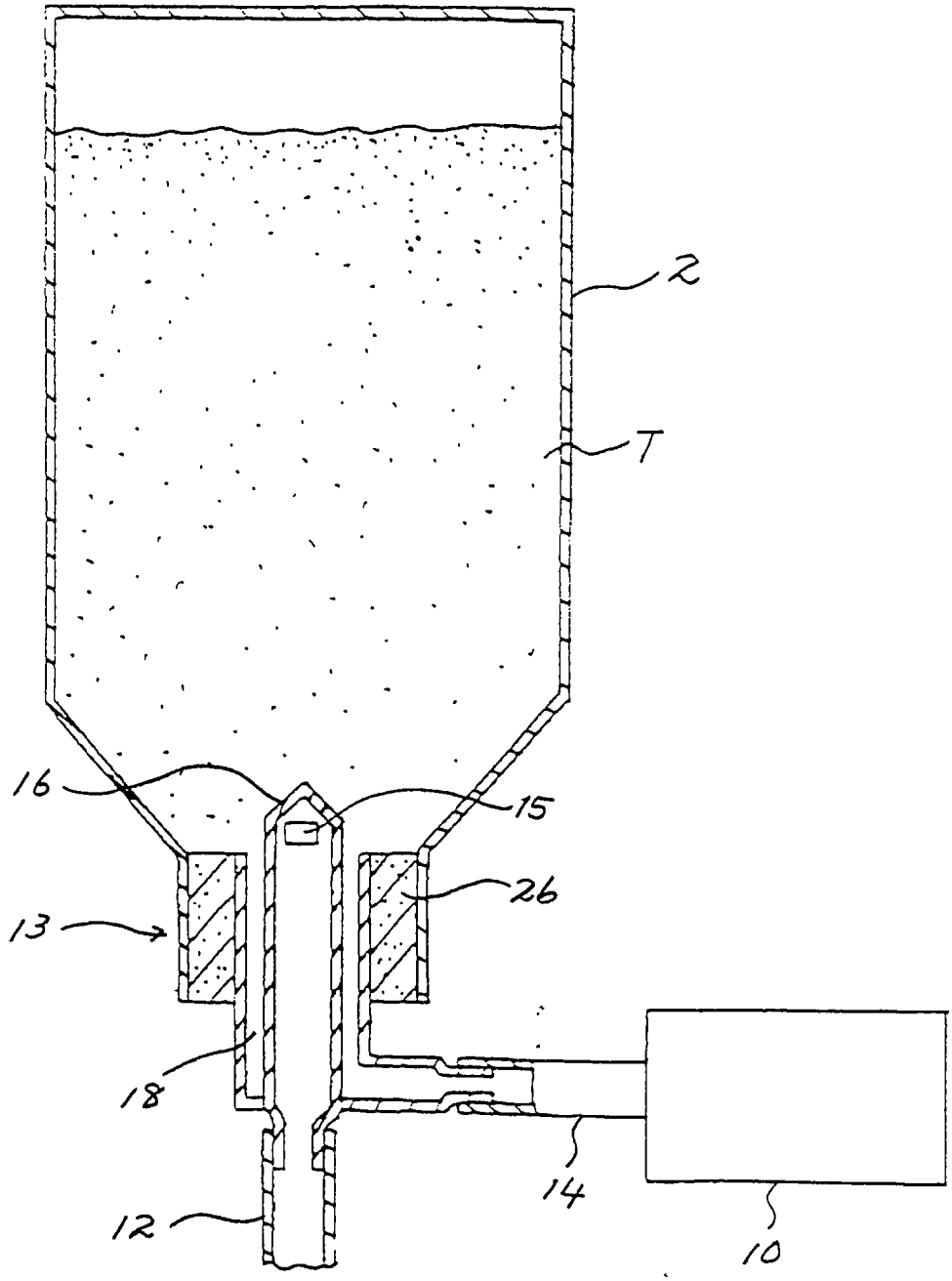


FIG. 5-2

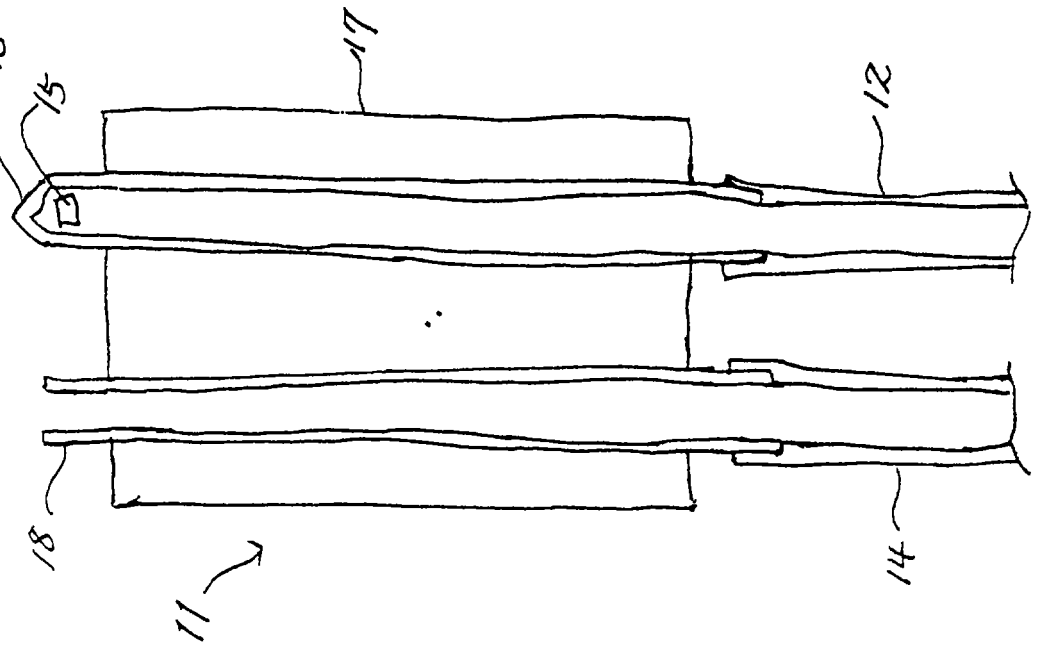


FIG. 5-1

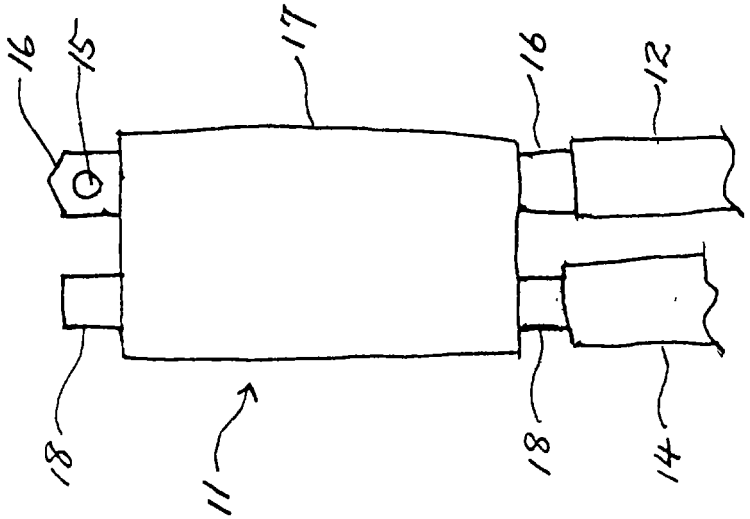


FIG. 6

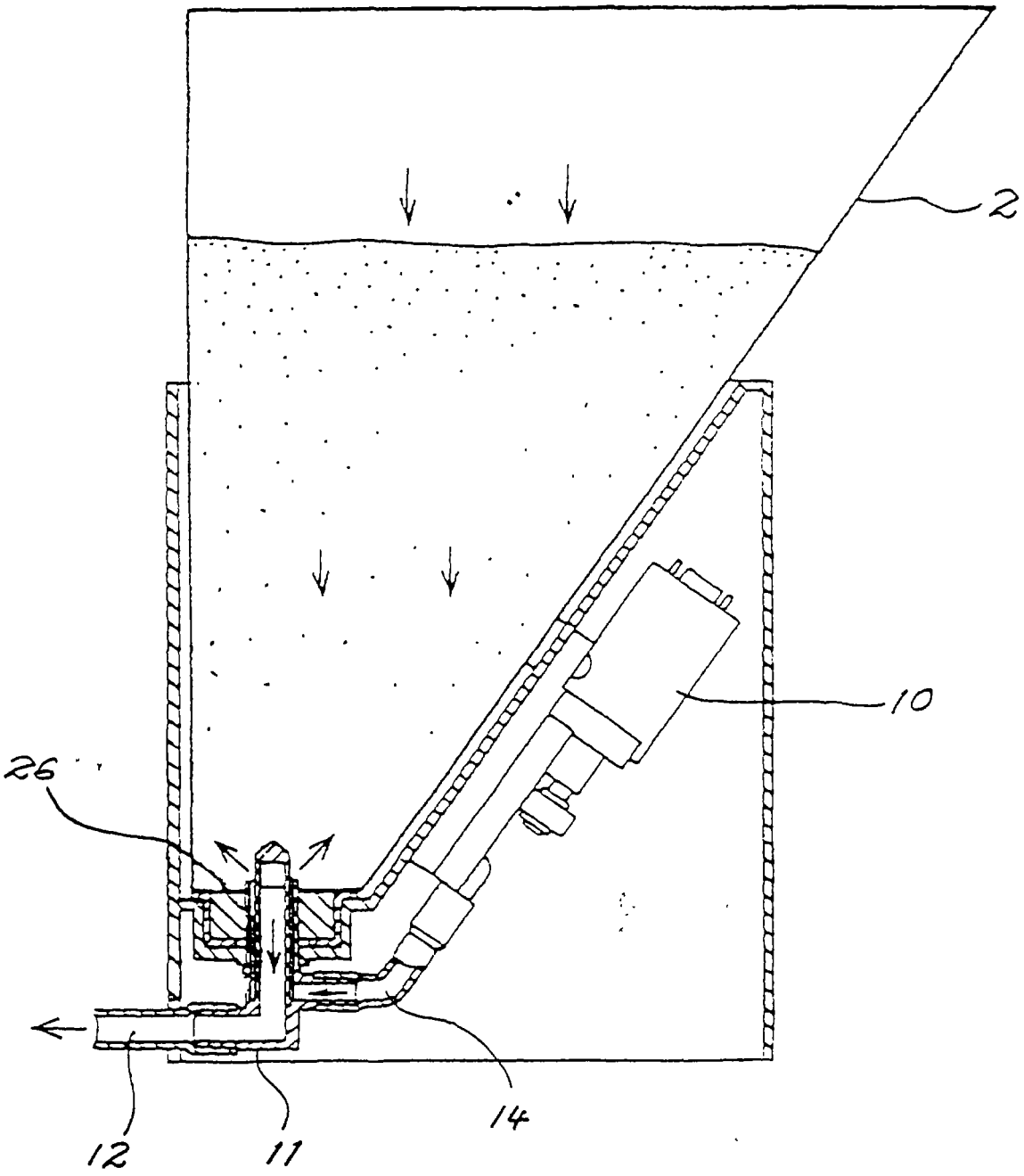


FIG. 7

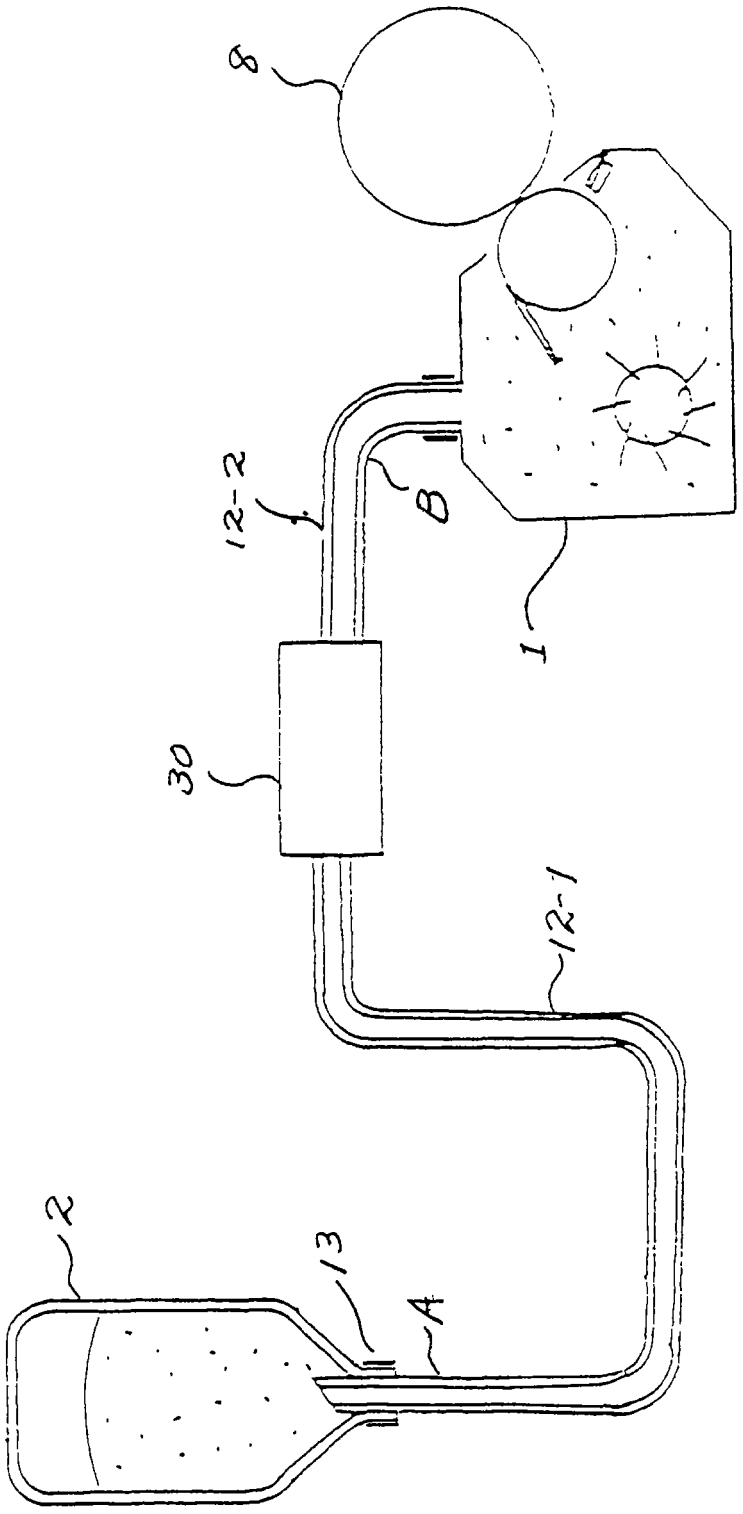


FIG. 8

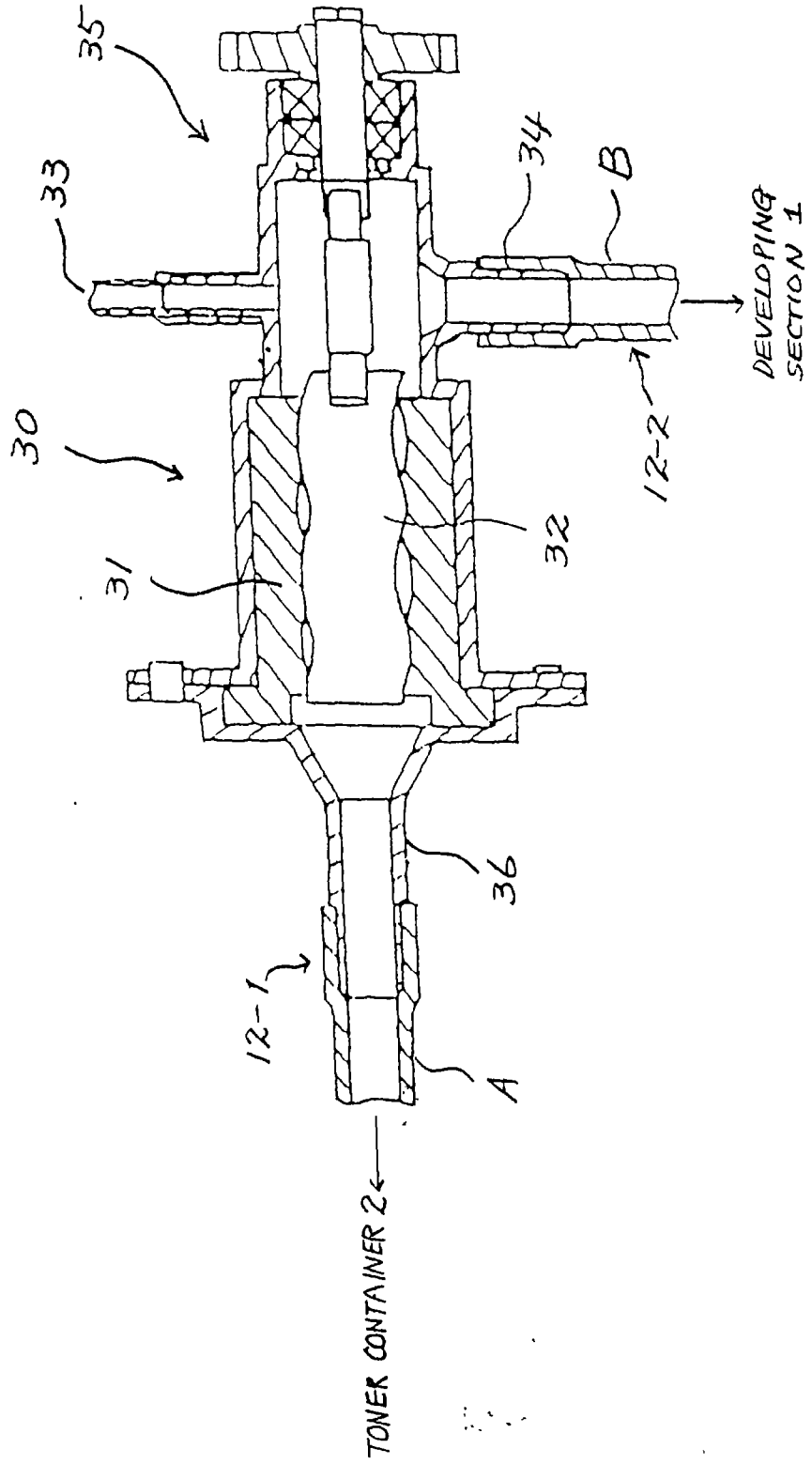

35
33
34
B
DEVELOPING SECTION 1
30
12-2
32
31
36
12-1
A
TONER CONTAINER 2

FIG. 9

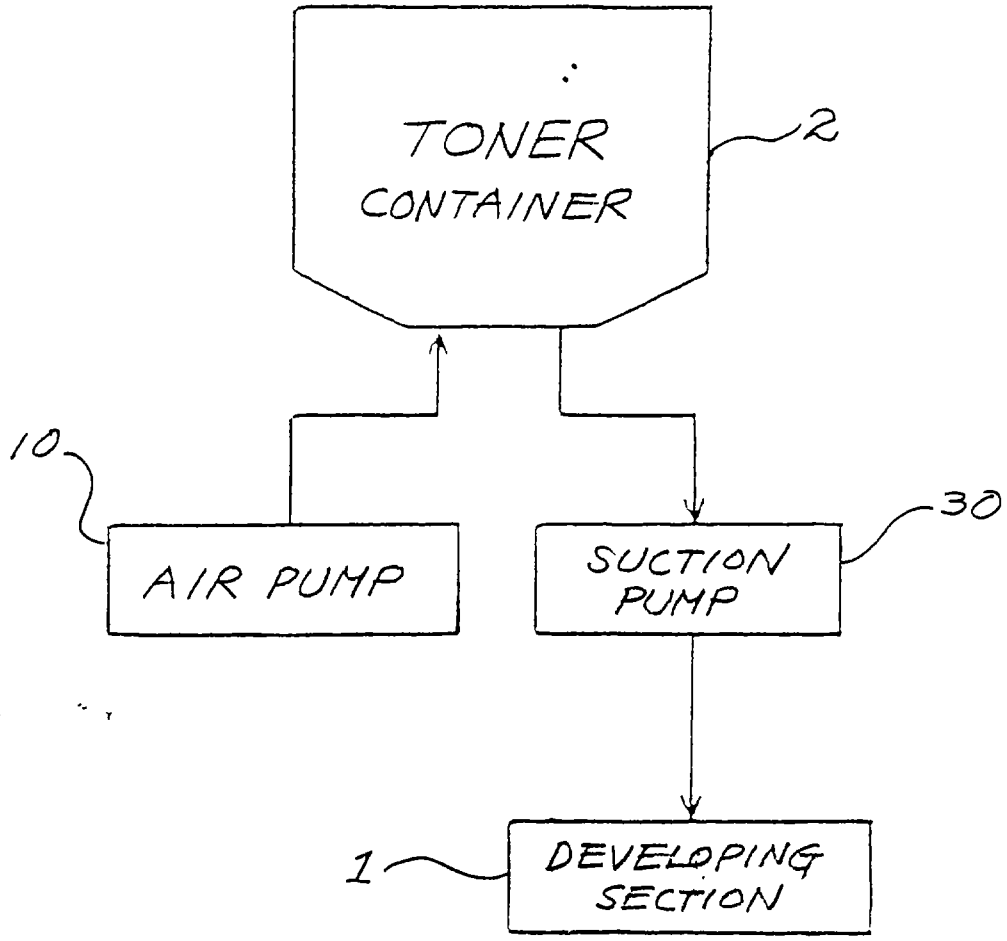

TONER CONTAINER
2
10
AIR PUMP
SUCTION PUMP
30
1
DEVELOPING SECTION

FIG. 10-1

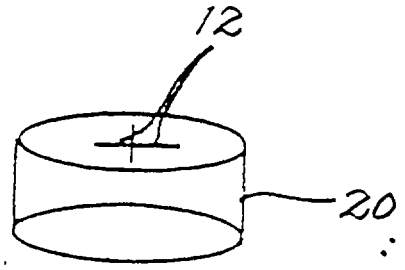


FIG. 10-2

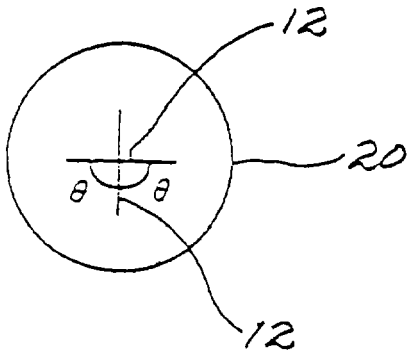


FIG. 10-3

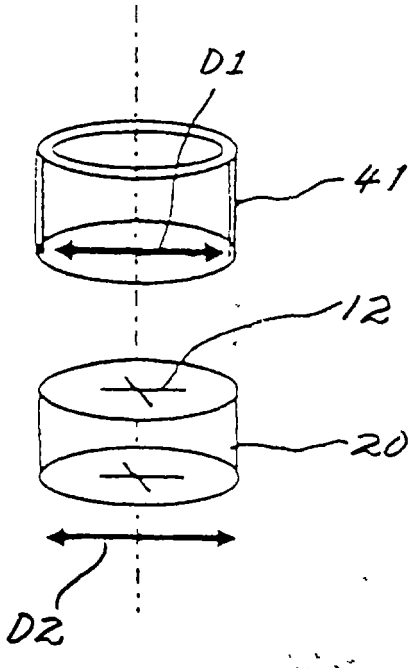


FIG. 11-1

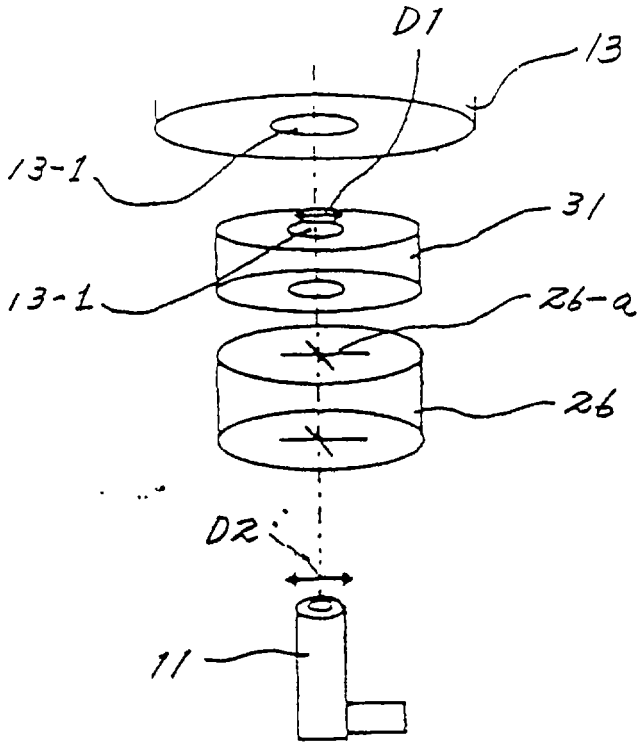


FIG. 11-2

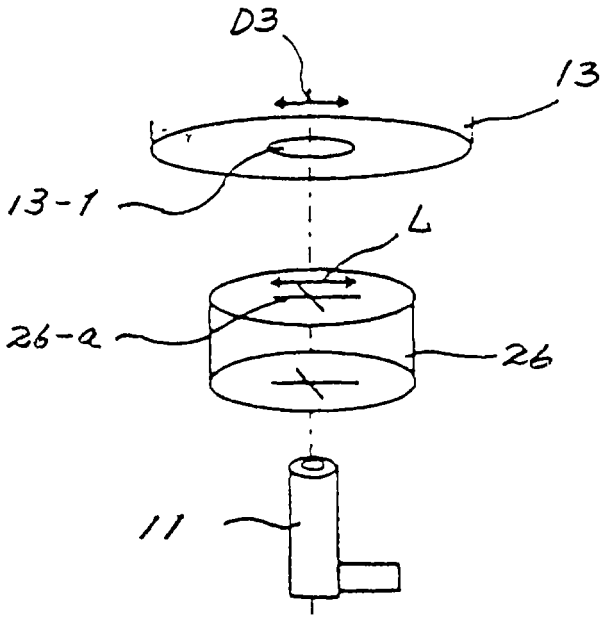


FIG. 11-3

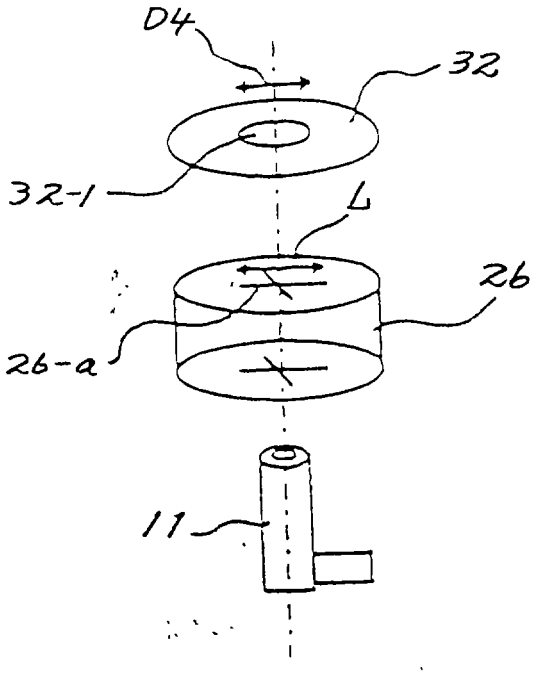


FIG. 12-1

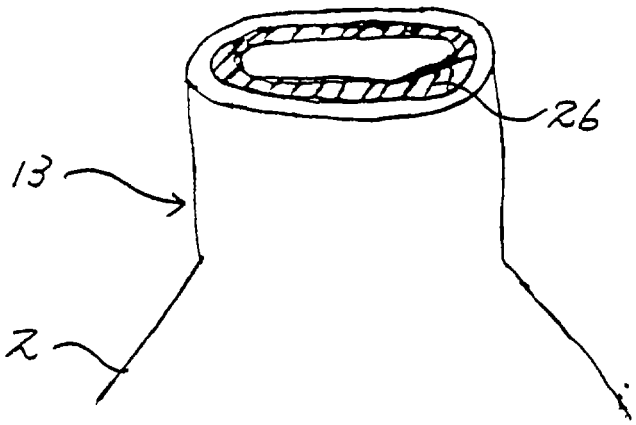


FIG. 12-2

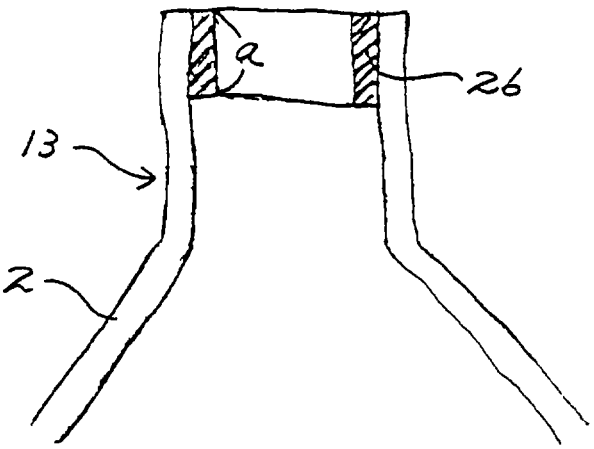


FIG. 13-1

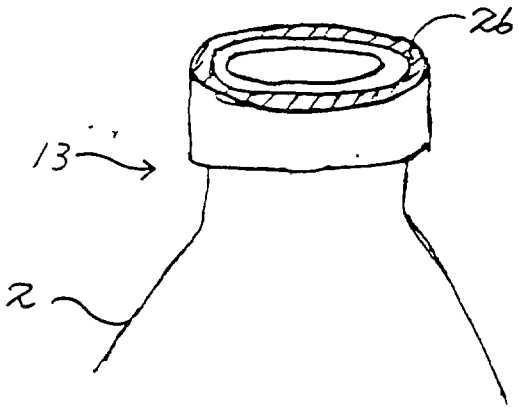


FIG. 13-2

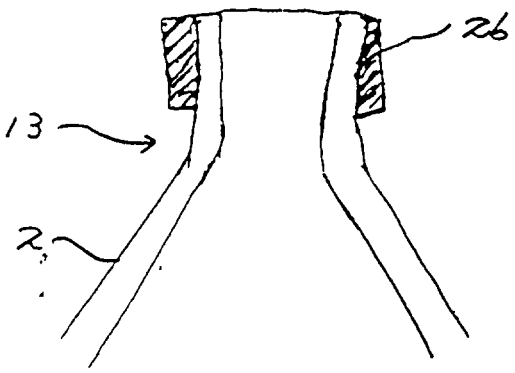


FIG. 14-3

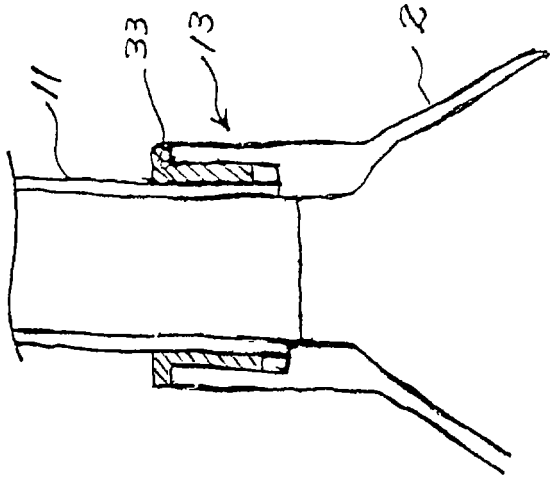


FIG. 14-2

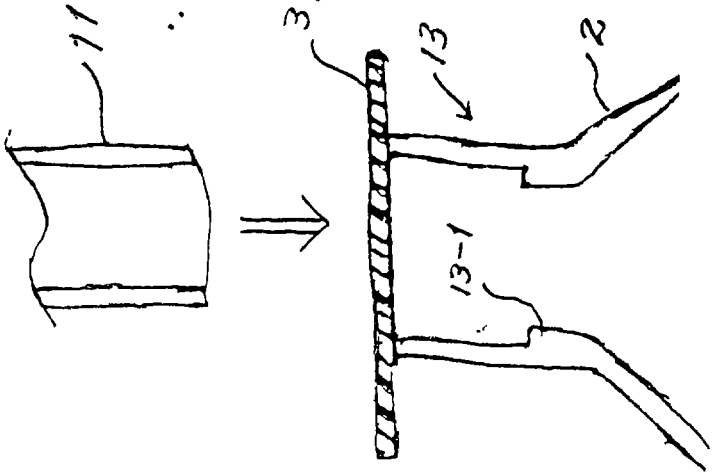


FIG. 14-1

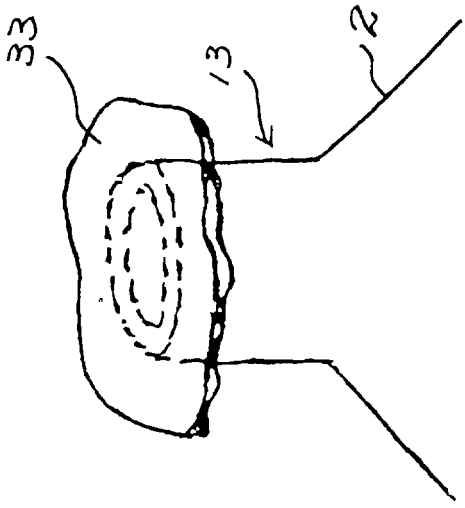


FIG. 15-1

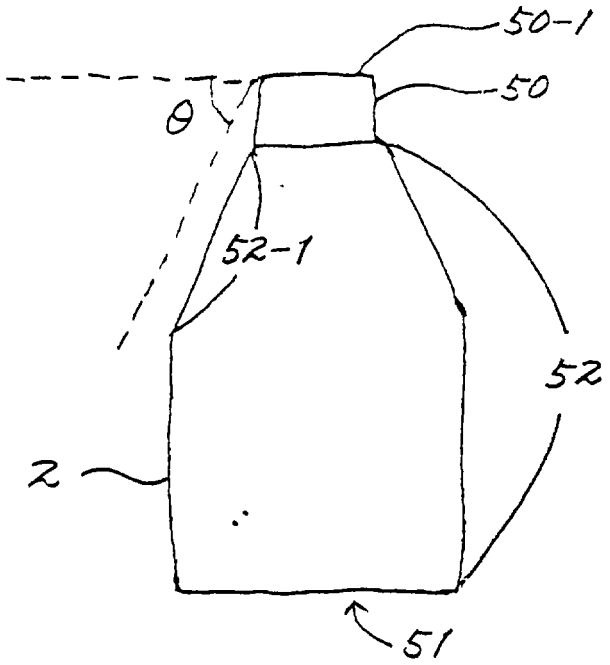


FIG. 15-2

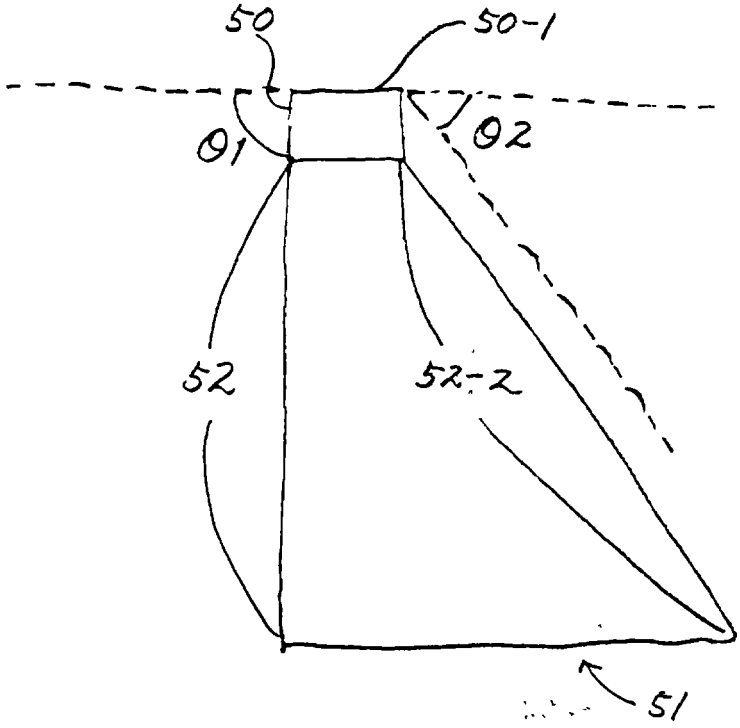


FIG. 16-3

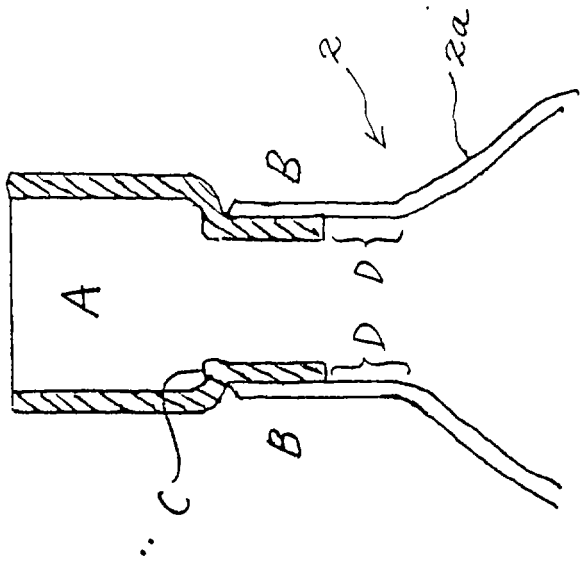


FIG. 16-2

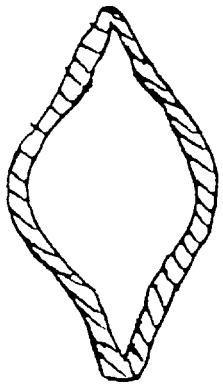


FIG. 16-1

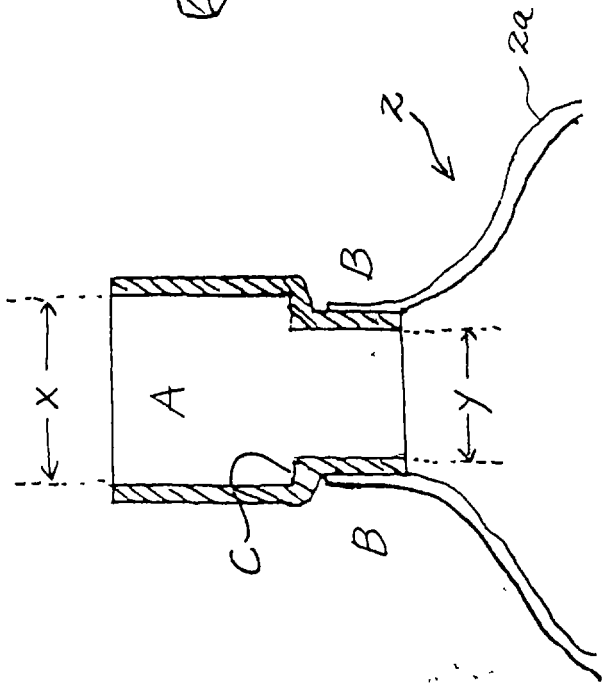


FIG. 17

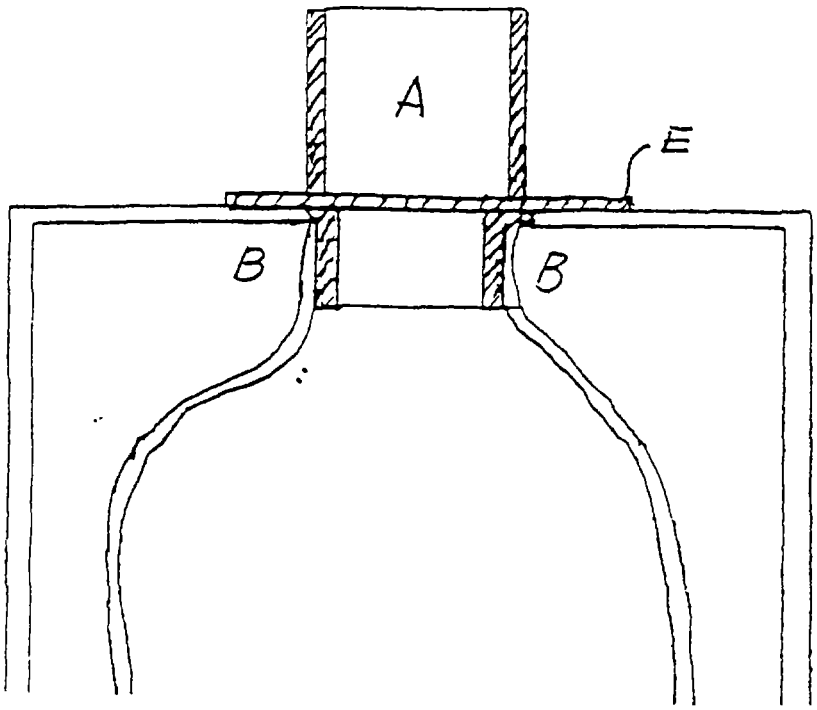


FIG. 18

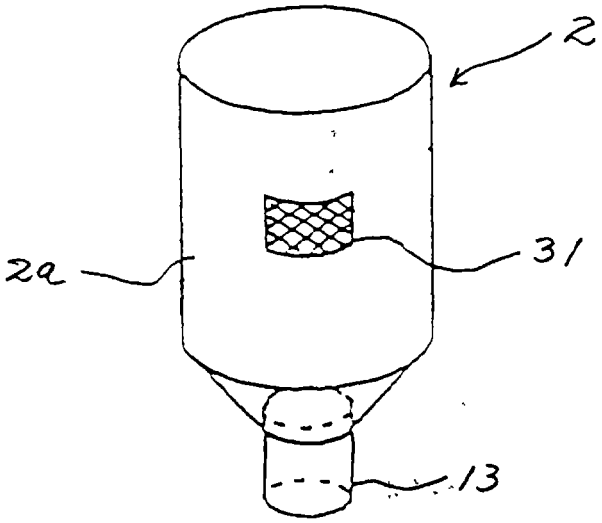


FIG. 19-1

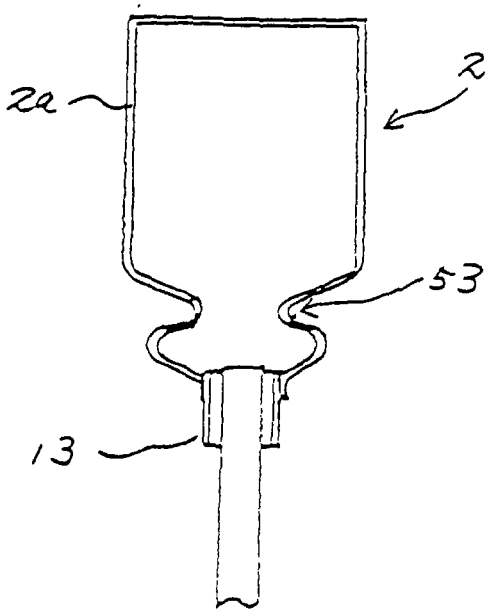


FIG. 19-2

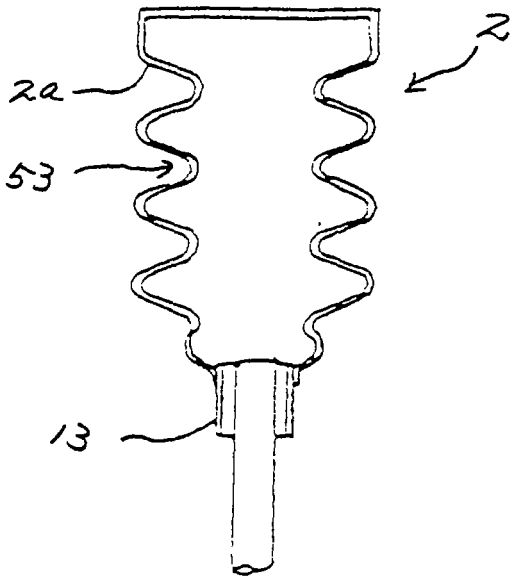


FIG. 20

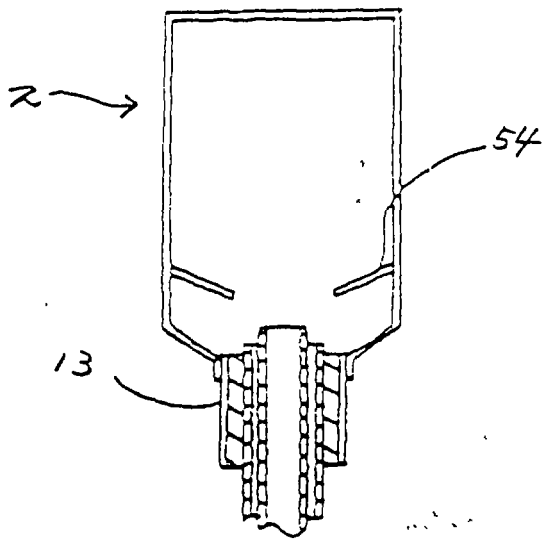


FIG. 21-3

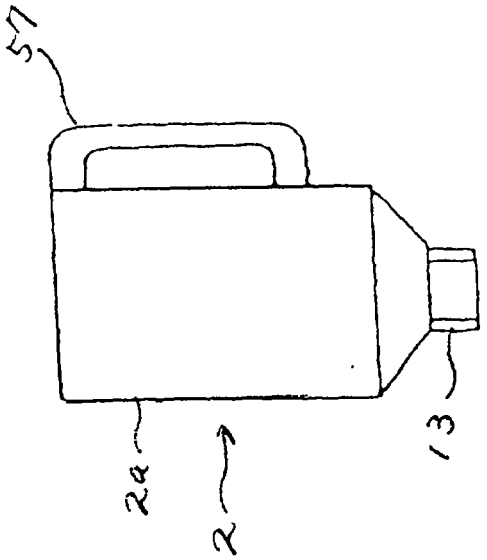


FIG. 21-2

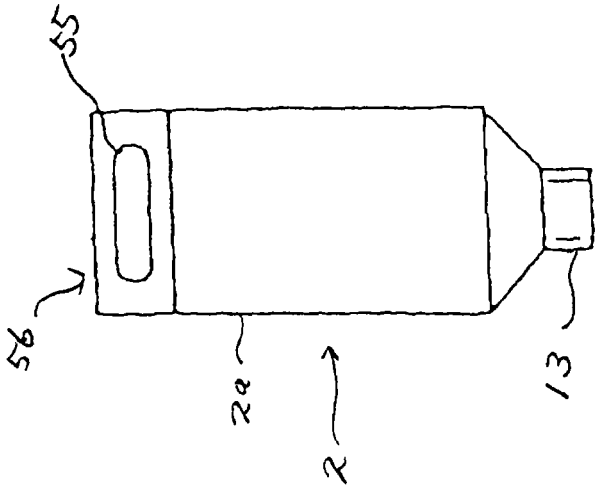


FIG. 21-1

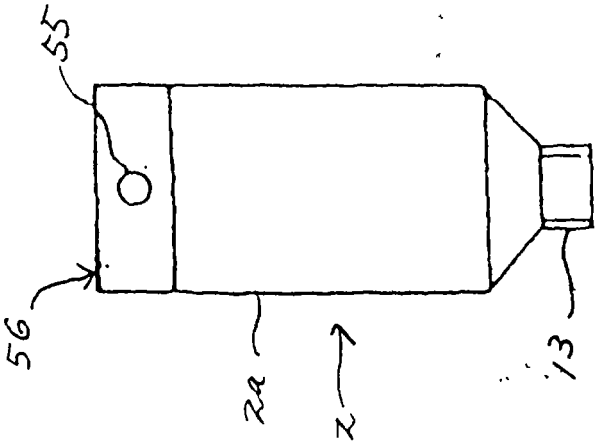


FIG. 22

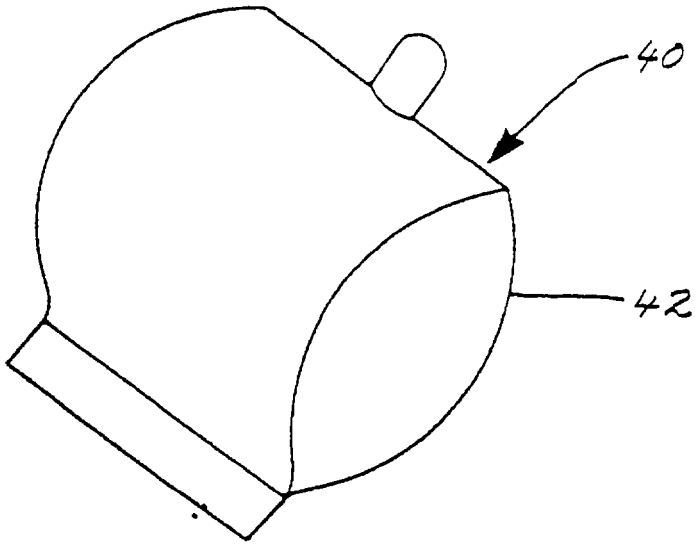


FIG. 23

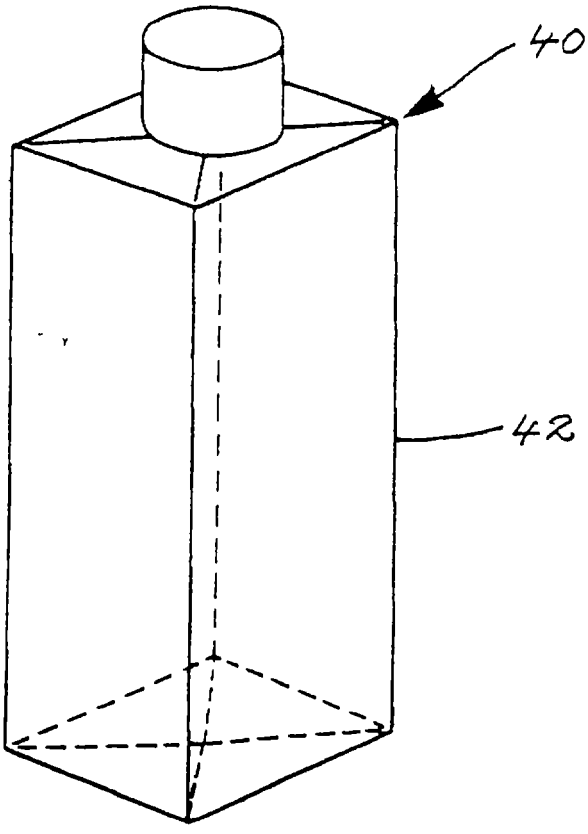


FIG. 24

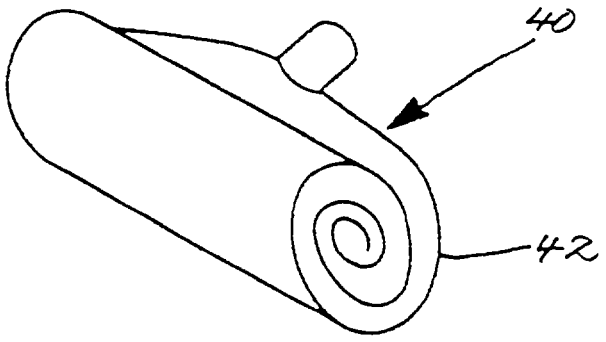


FIG. 25-1

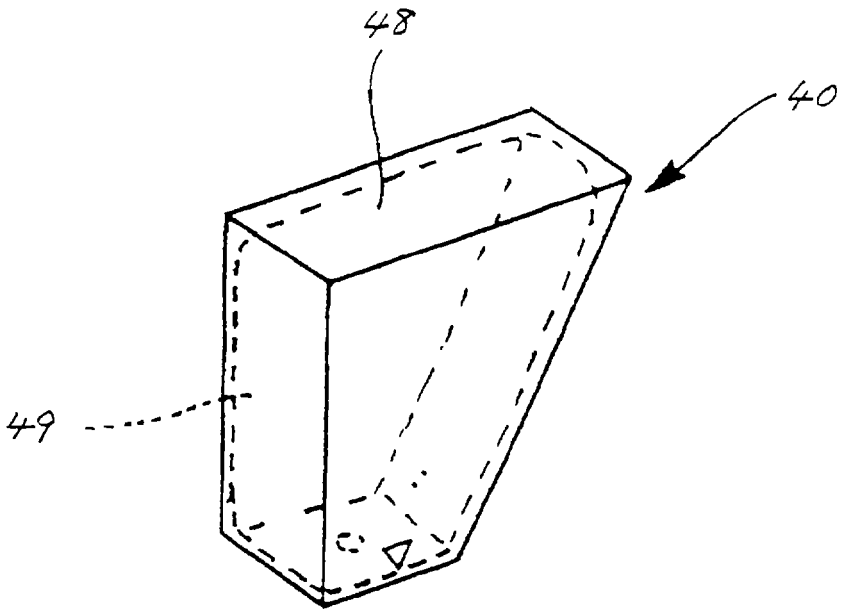


FIG. 25-2

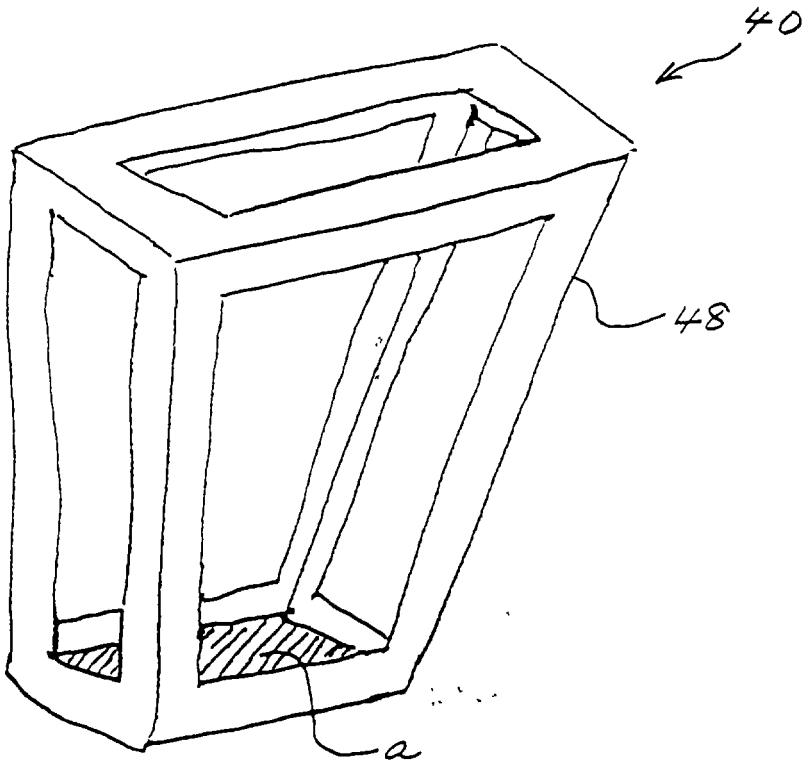


FIG. 26

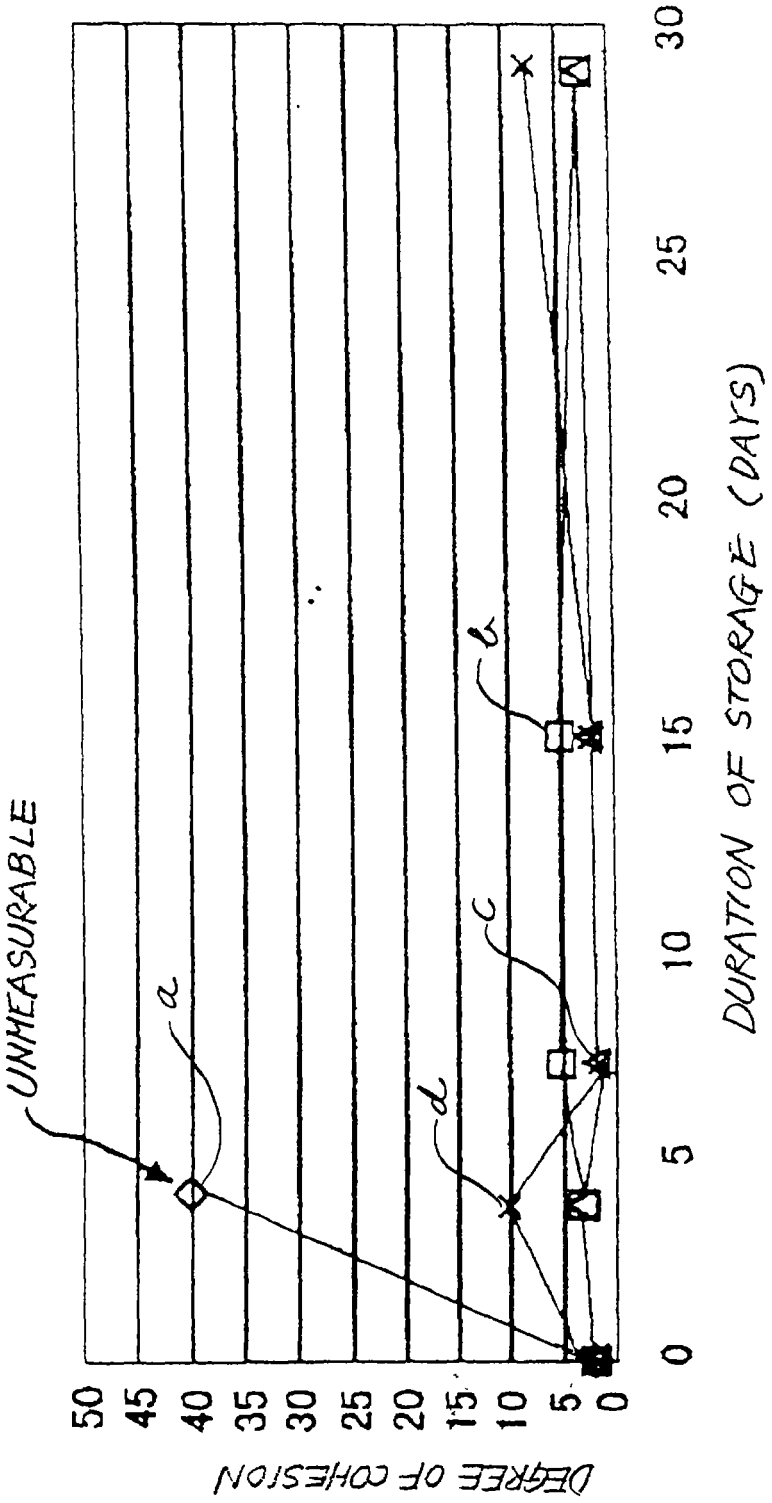

UNMEASURABLE
a
b
c
d
DEGREE OF COHESION
50
45
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
DURATION OF STORAGE (DAYS)

FIG. 27

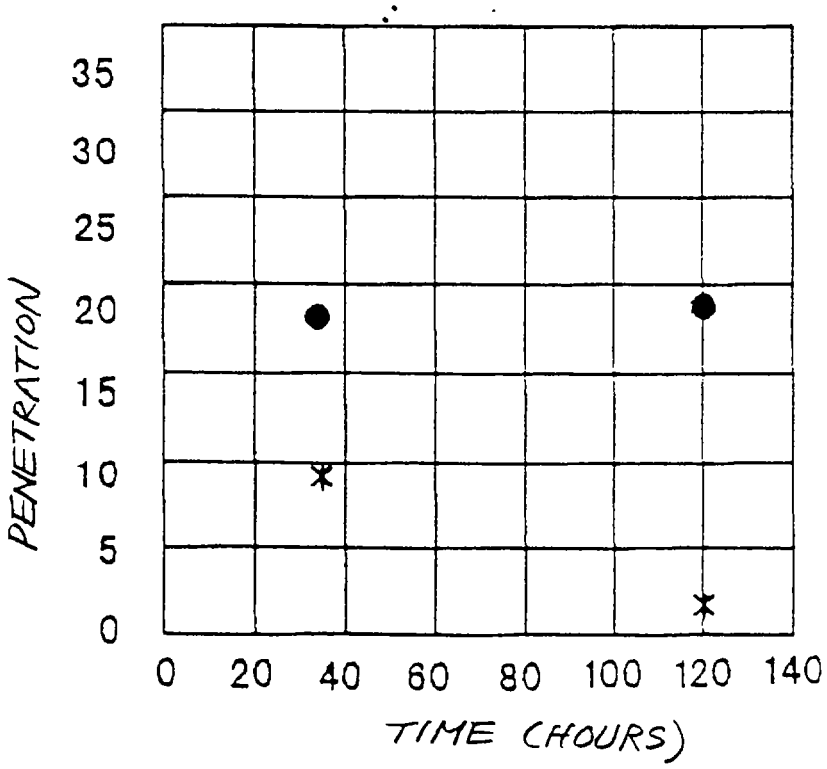

35
30
25
20
15
10
5
0
PENETRATION
0
20
40
60
80
100
120
140
TIME (HOURS)

FIG. 28

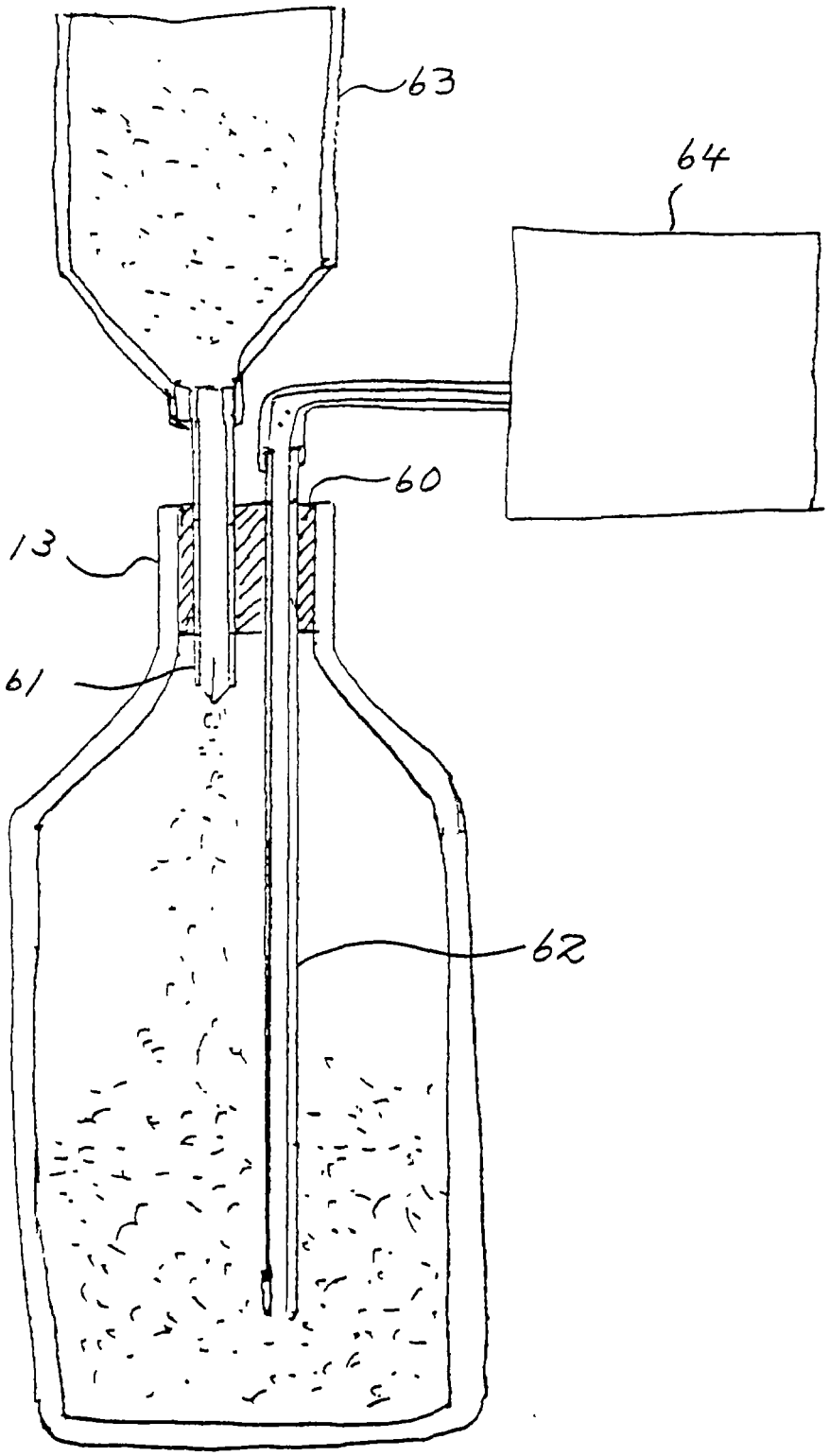


FIG. 29

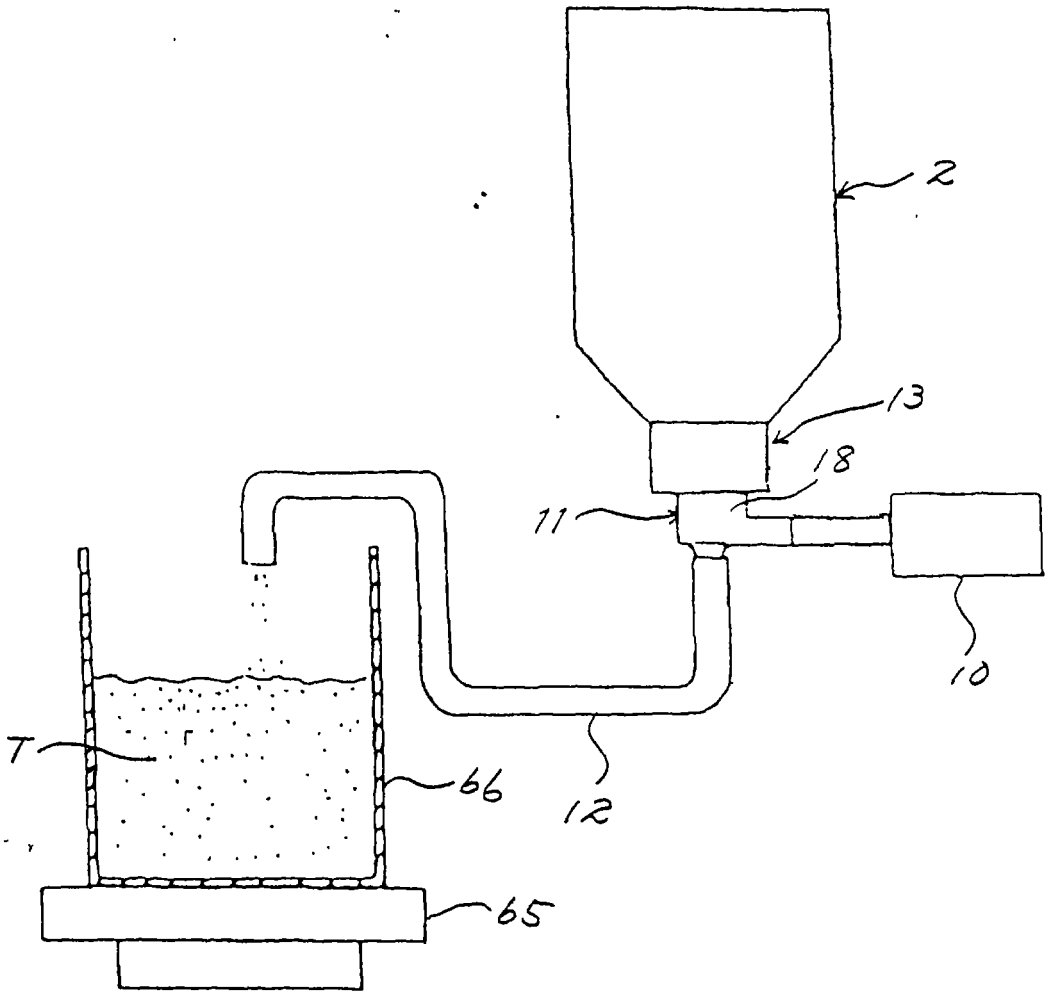


FIG. 30

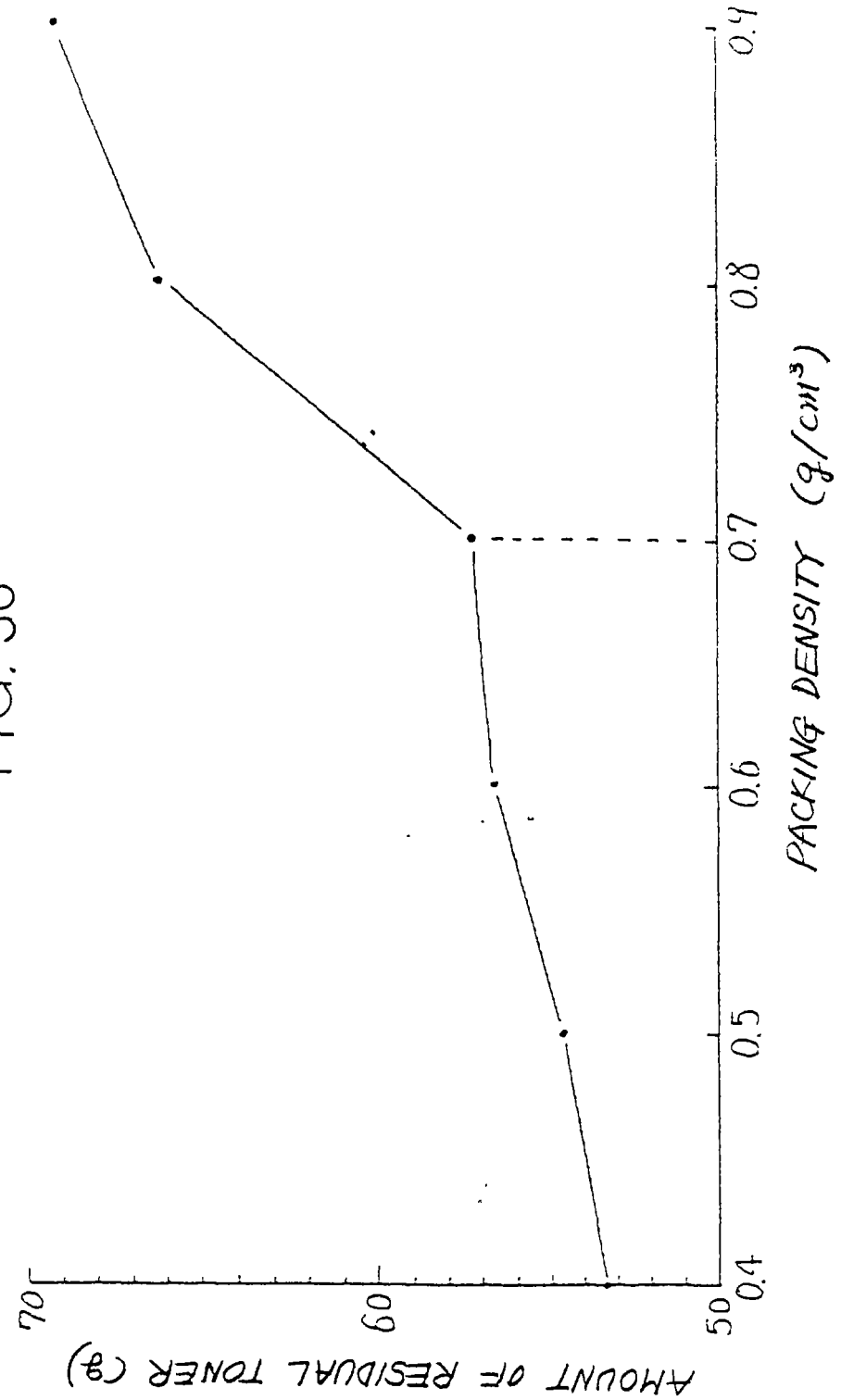

AMOUNT OF RESIDUAL TONER (g)
70
60
50
0.4
0.5
0.6
0.7
0.8
0.9
PACKING DENSITY (g/cm³)

FIG. 31

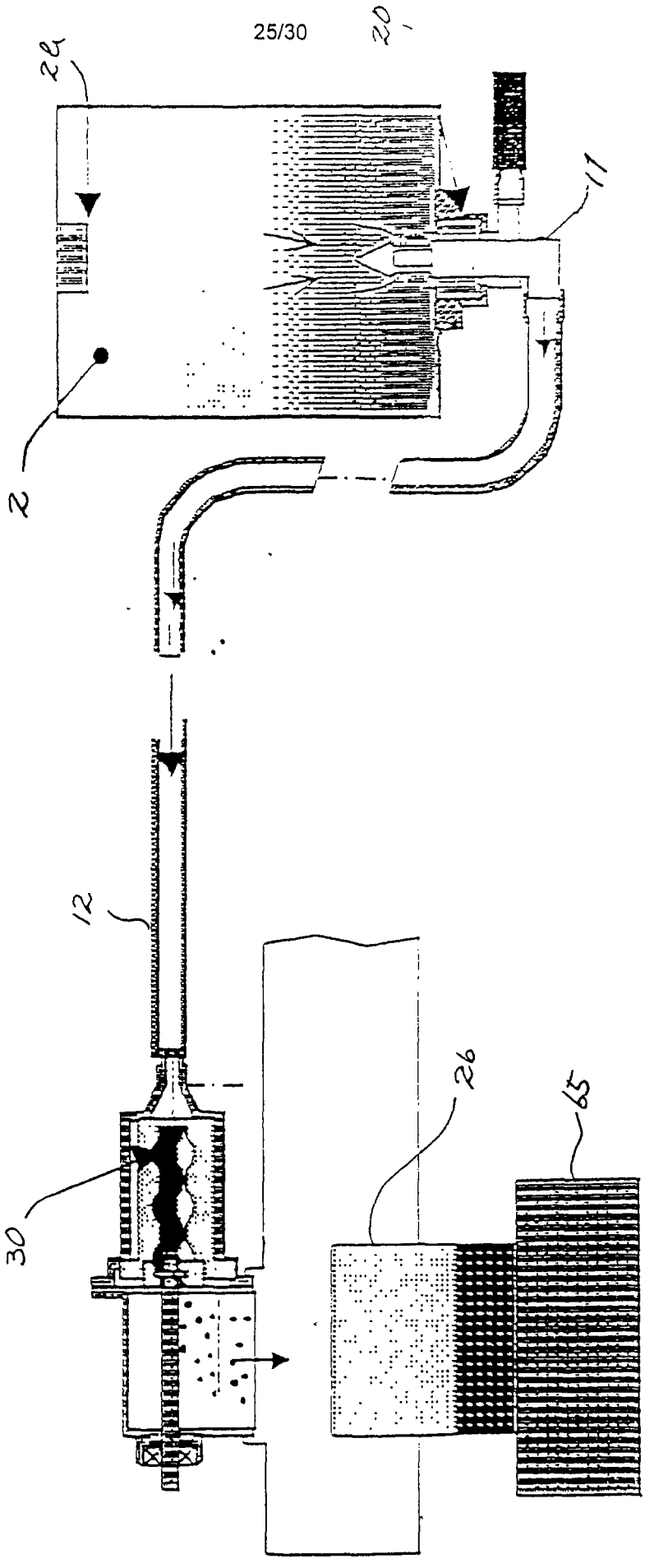


FIG.32

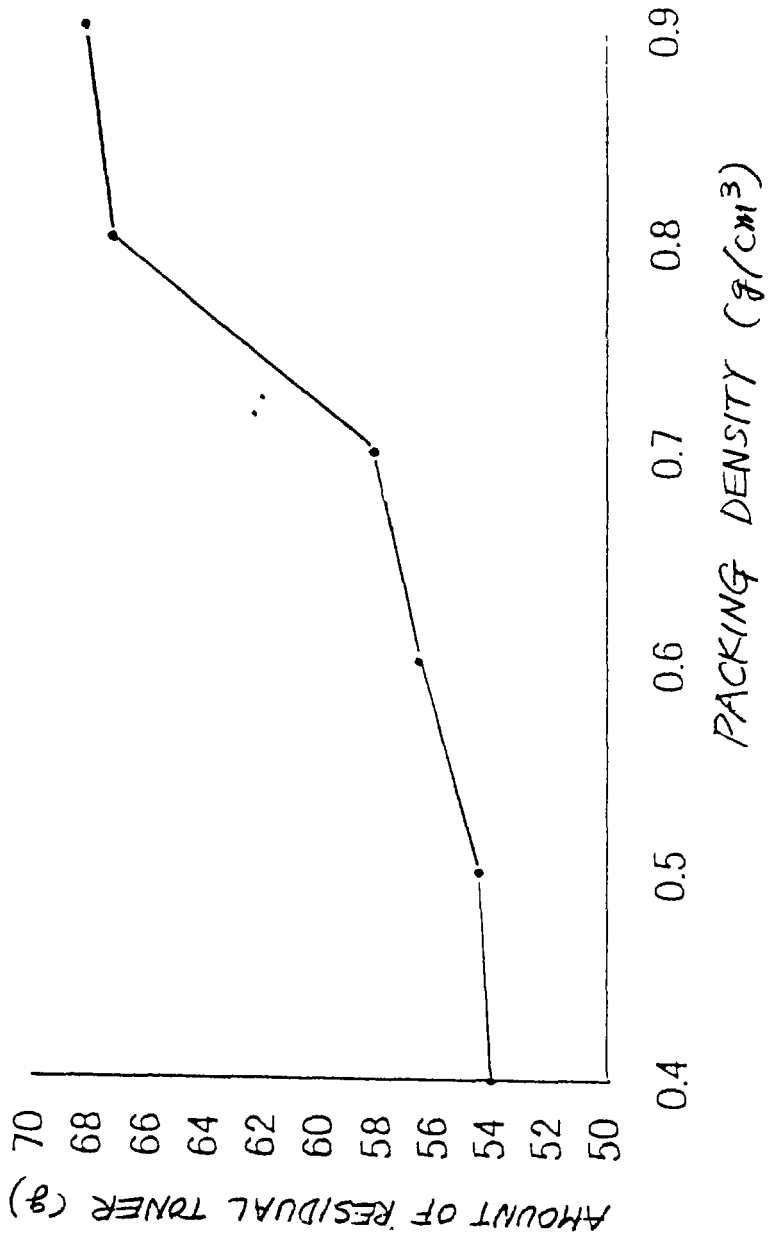

AMOUNT OF RESIDUAL TONER (g)
70
68
66
64
62
60
58
56
54
52
50
0.4
0.5
0.6
0.7
0.8
0.9
PACKING DENSITY (g/cm³)

FIG. 33

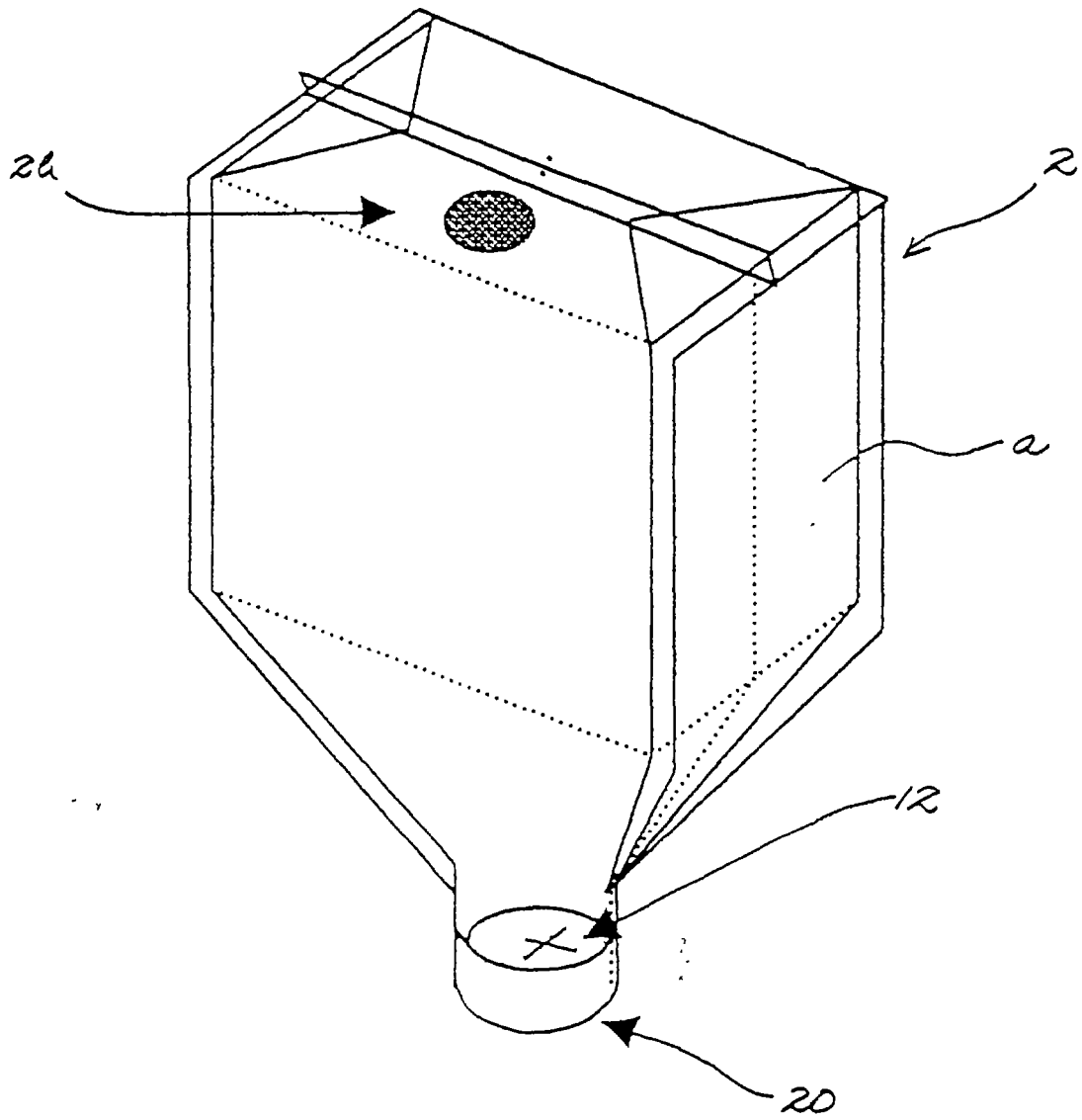
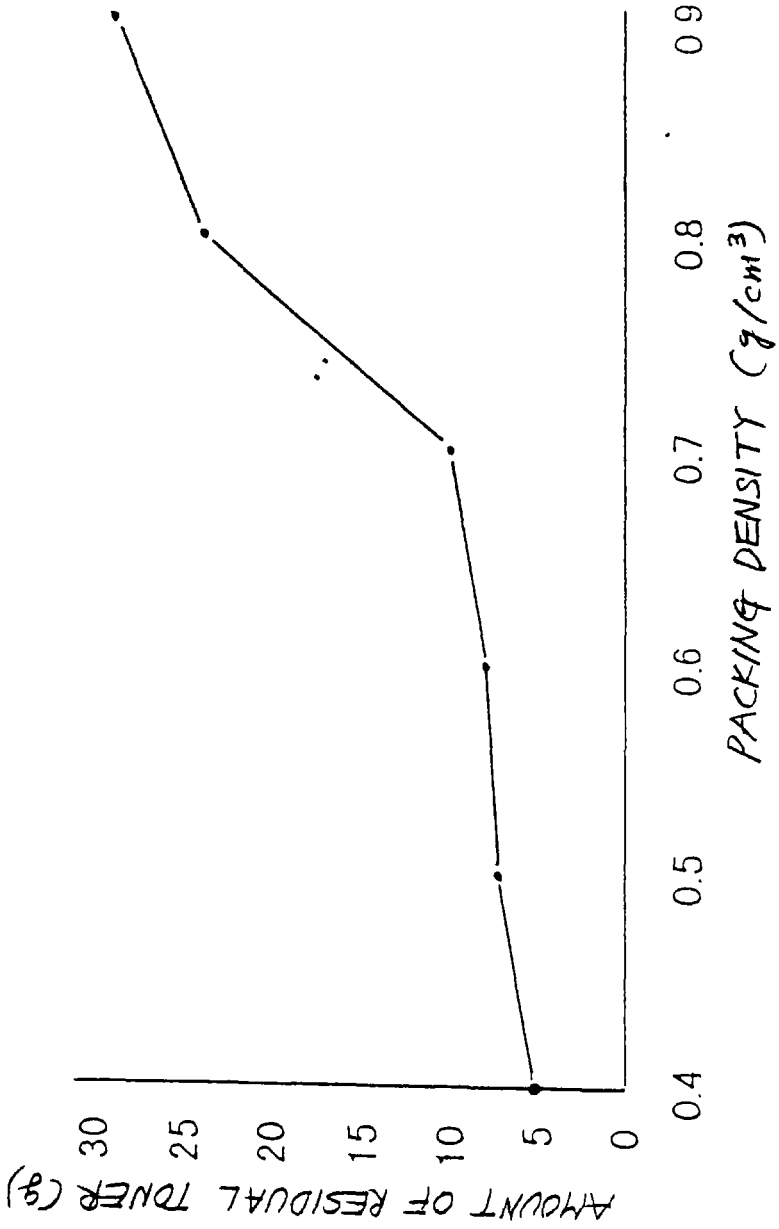


FIG. 34


AMOUNT OF RESIDUAL TONER (g)
30
25
20
15
10
5
0
0.4
0.5
0.6
0.7
0.8
0.9
PACKING DENSITY (g/cm³)

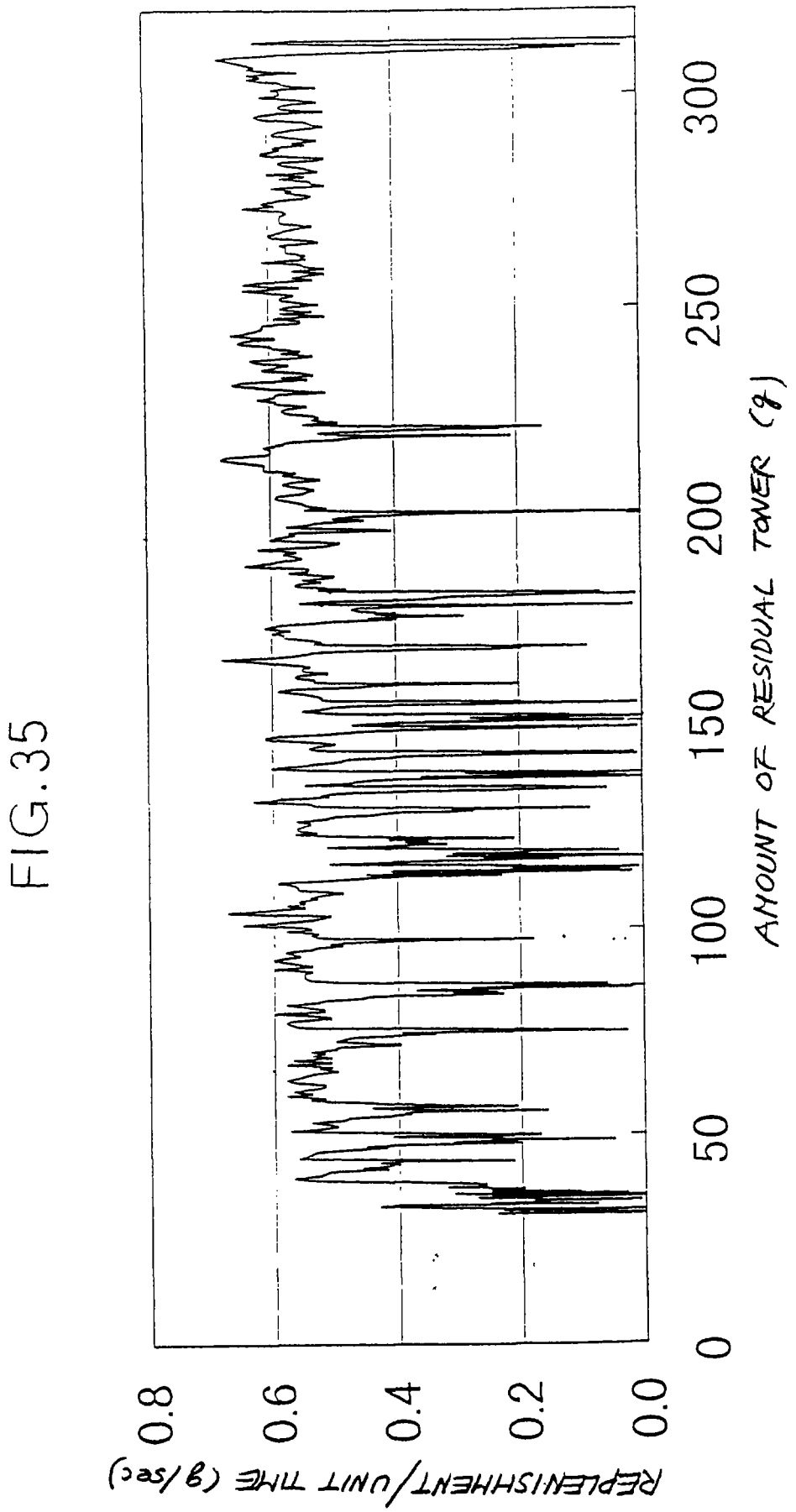
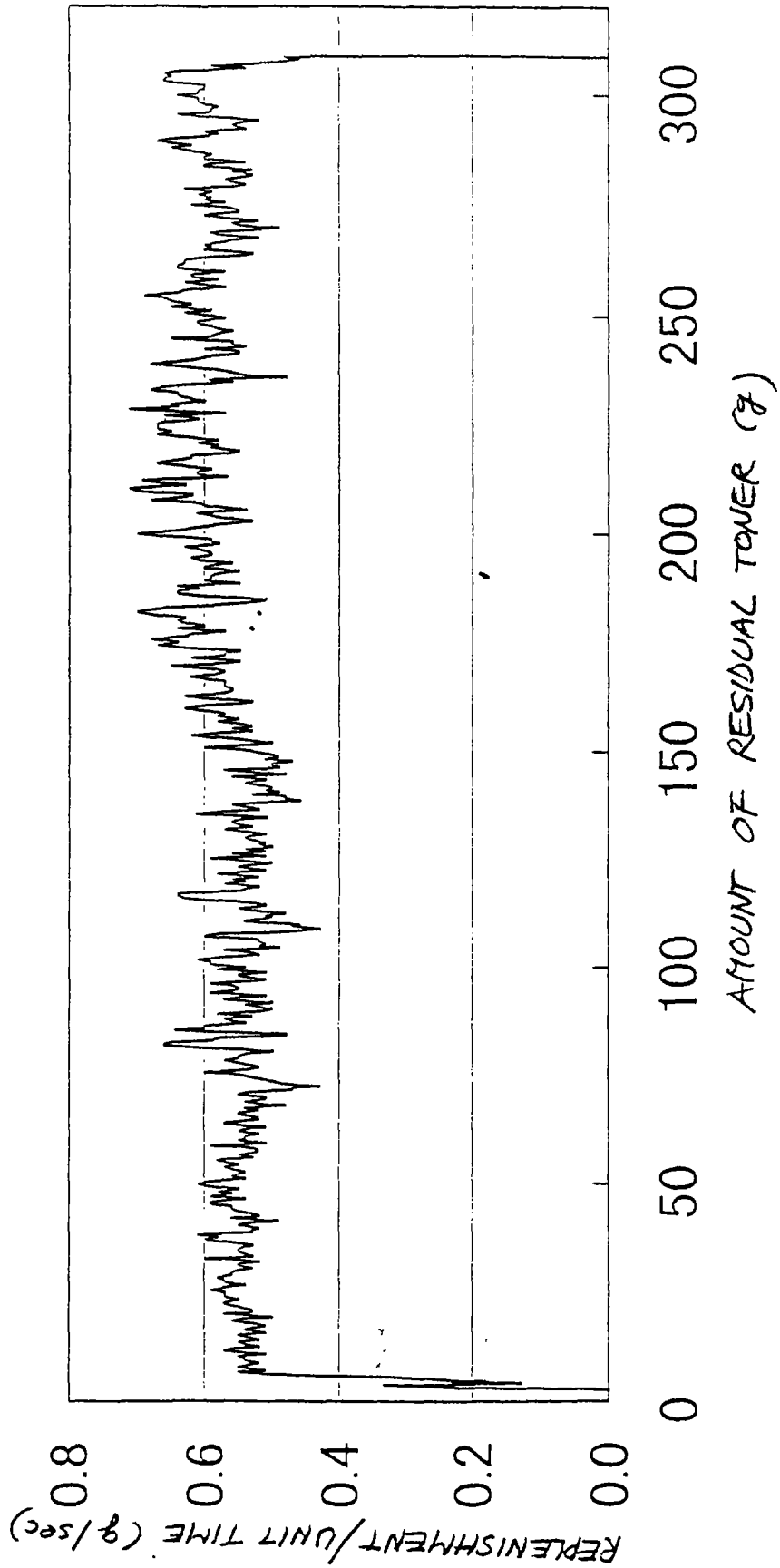

REPLENISHMENT/UNIT TIME (g/sec)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
250
300
AMOUNT OF RESIDUAL TONER (g)

FIG. 35

FIG. 36


REPLENISHMENT/UNIT TIME (g/sec)
0.0
0.2
0.4
0.6
0.8
AMOUNT OF RESIDUAL TONER (g)
0
50
100
150
200
250
300