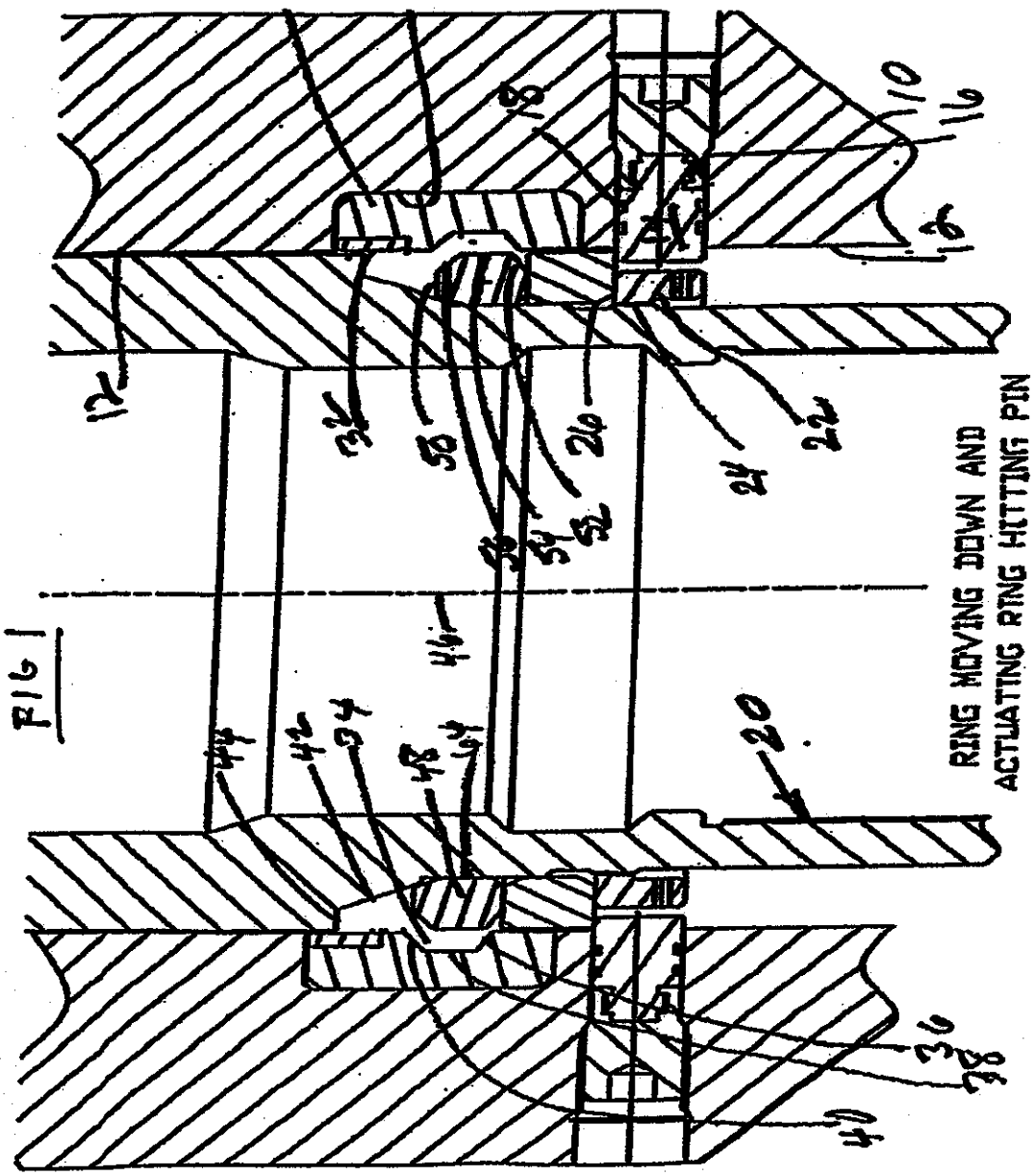


FIG 1

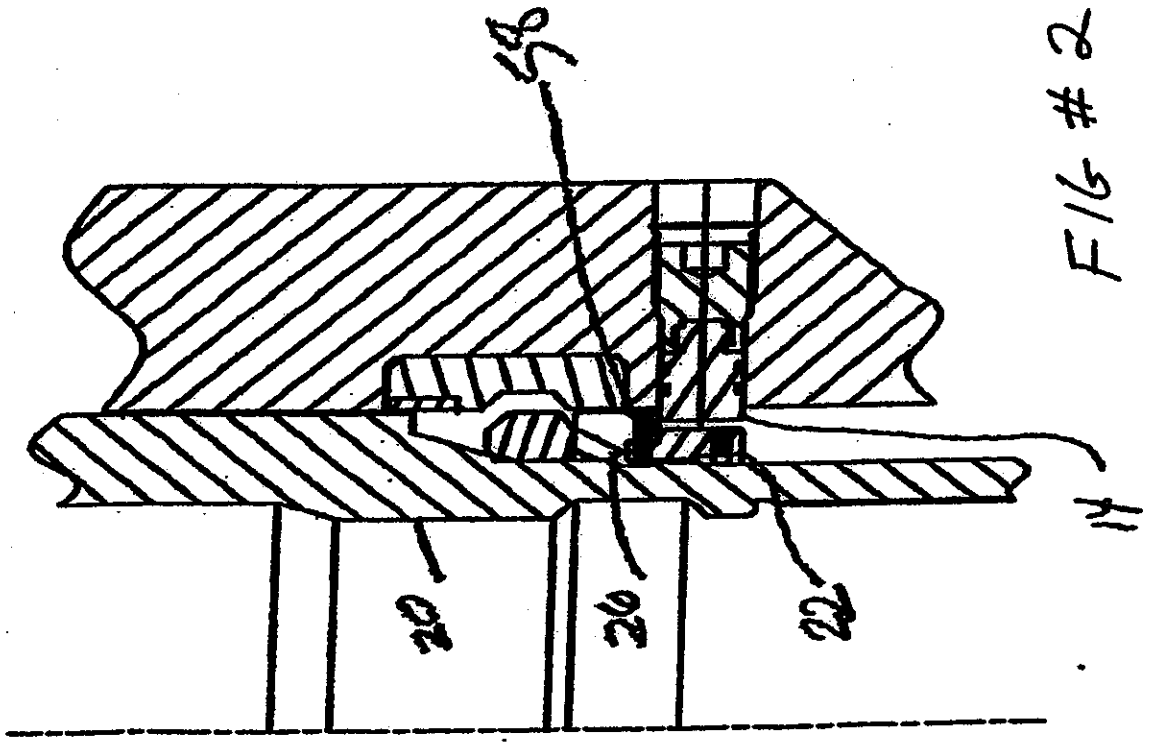


FIG #2

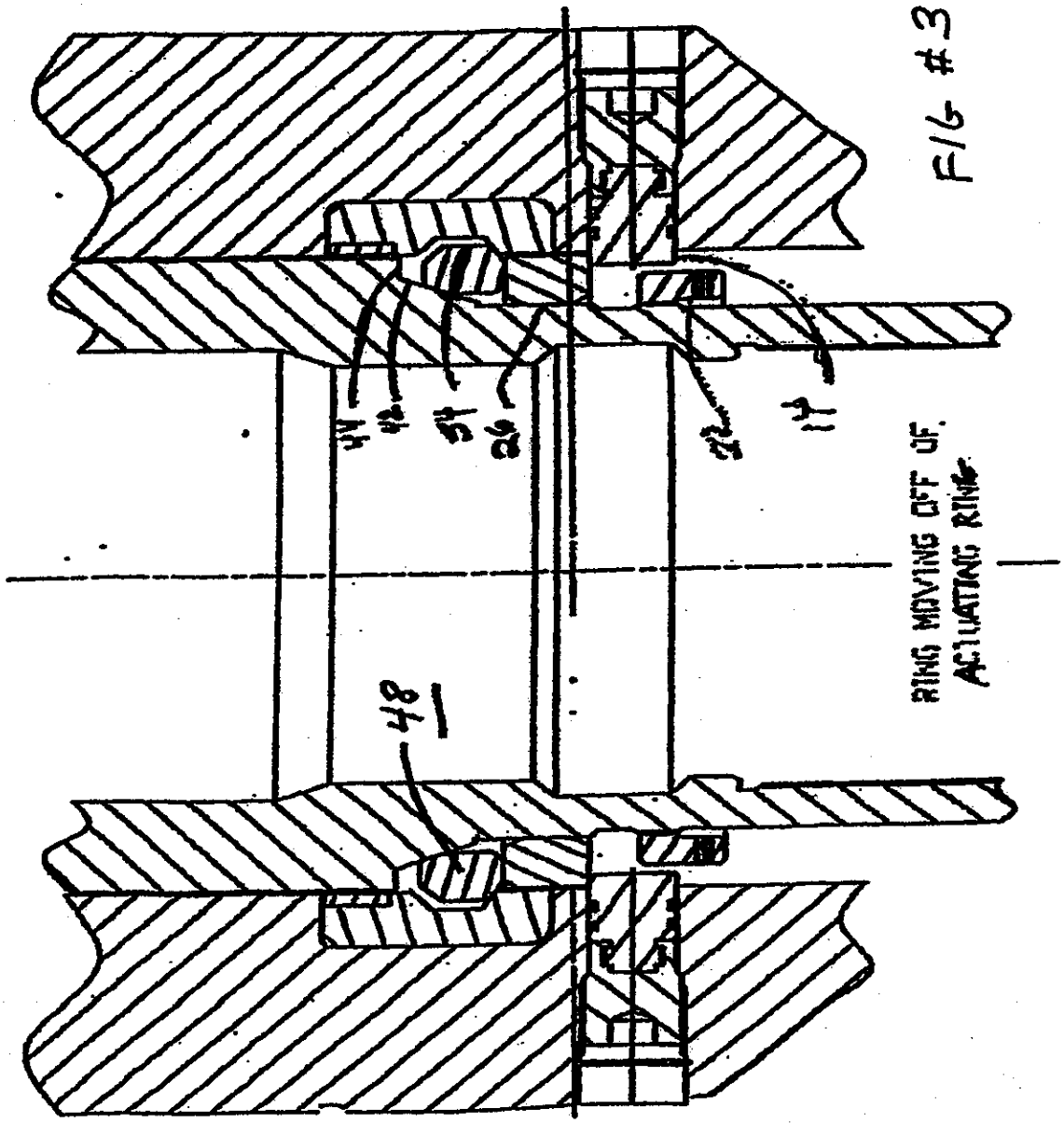
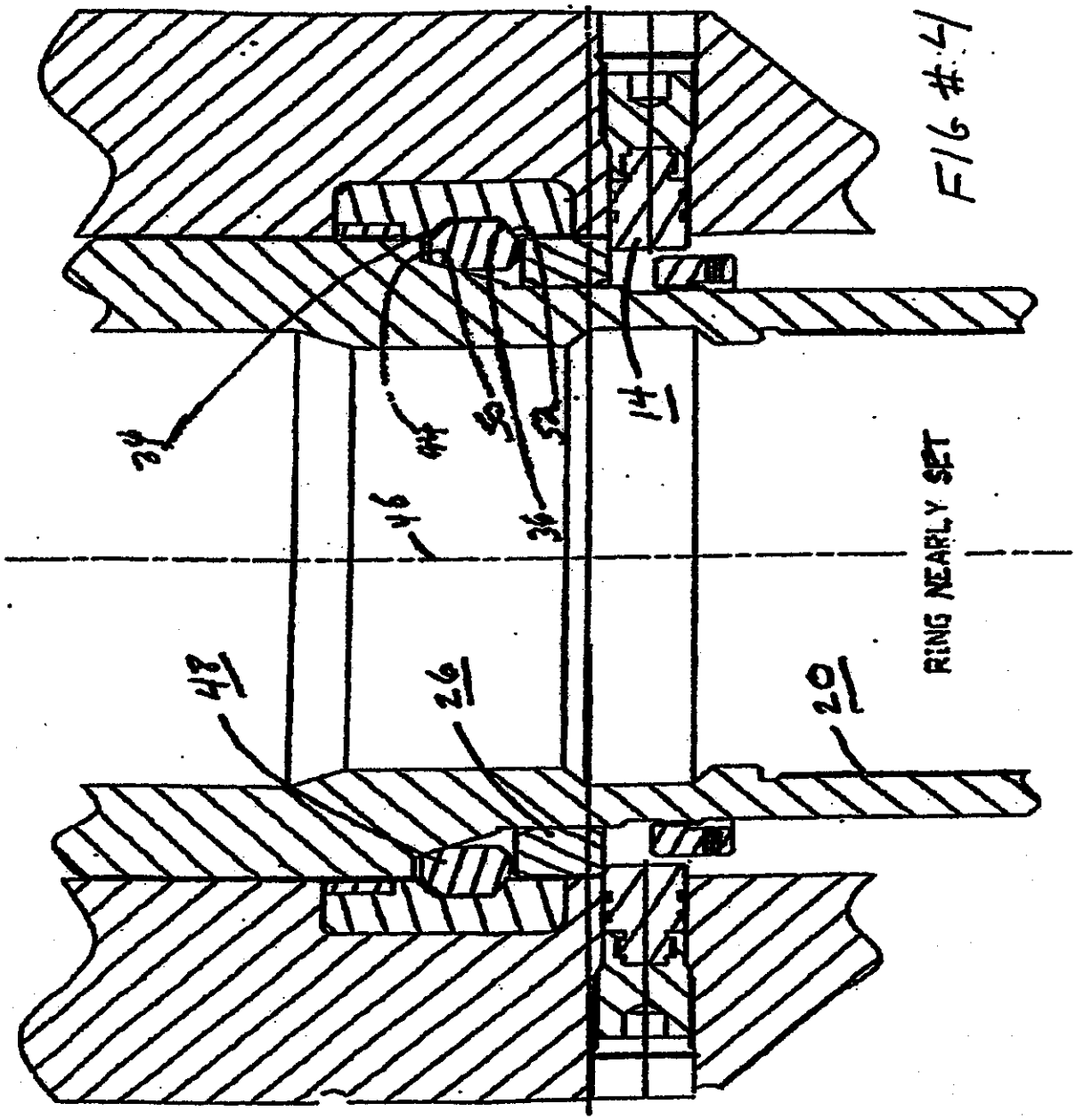


FIG #3


FIG #4
RING NEARLY SET
34
44
50
52
14
46
36
42
26
20

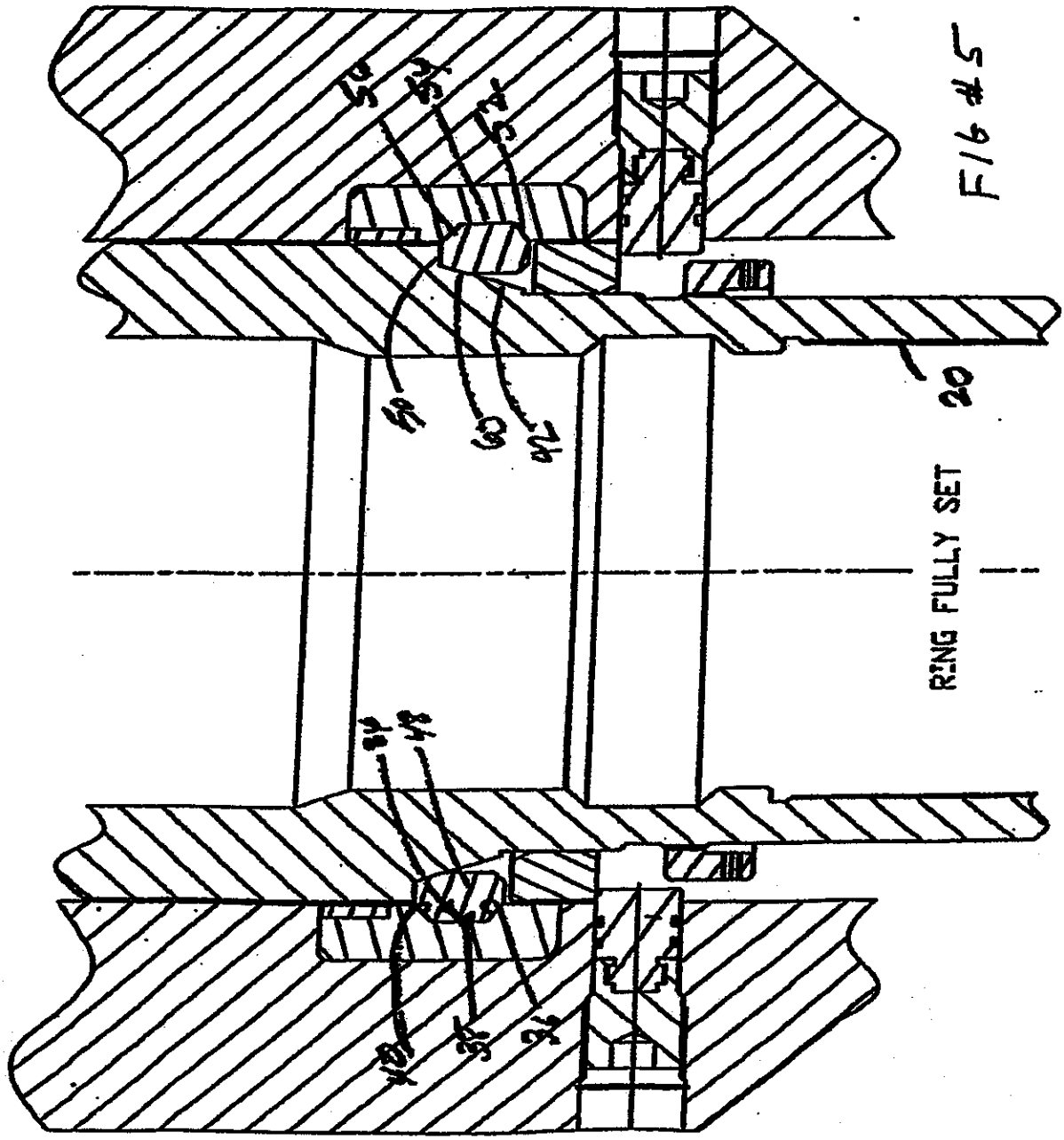
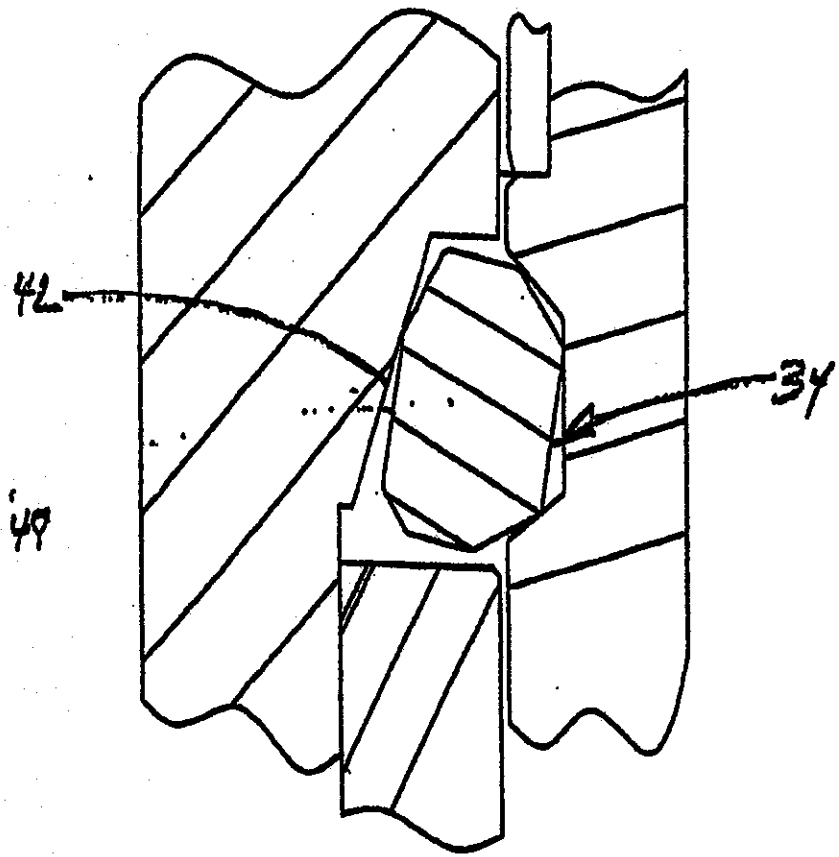


FIG #5



RING ROTATED OUT OF POSITION WITH
UNDERCUT DIA OF BORE SHOULDER
CORRECTING MISALIGNMENT

F16 #6

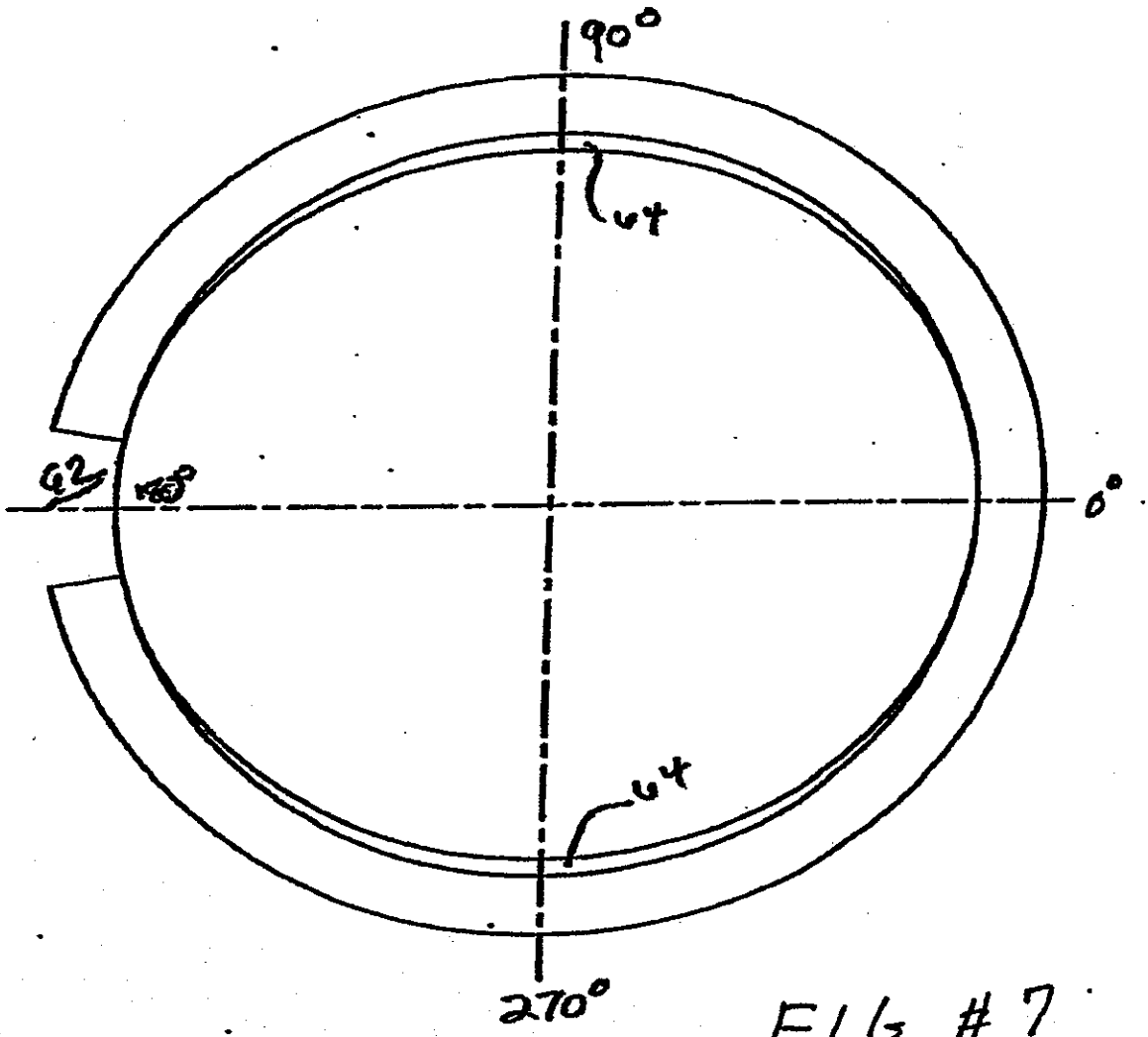


FIG #7

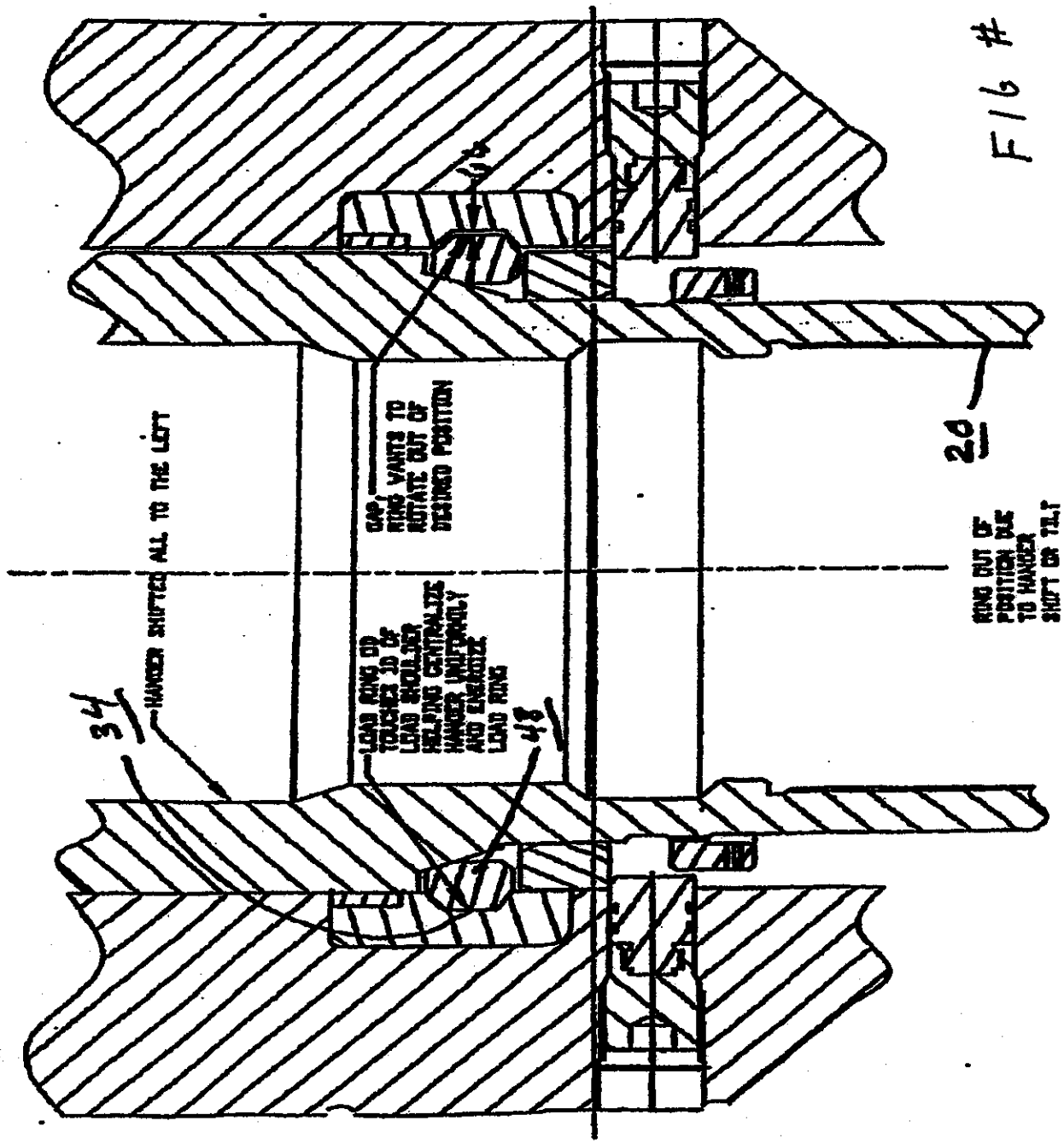

HANGER SHIFTED ALL TO THE LEFT
LOAD RING CID TENDENCY TO BE LOAD BOUNDED HOLDING CENTRALIZER HANGER SHIFTED AND CENTERED LOAD RING
RING VANES TO ROTATE OUT OF DESIRED POSITION
RING OUT OF POSITION DUE TO HANGER SHIFT OR TILT
34
48
20

Fig #8

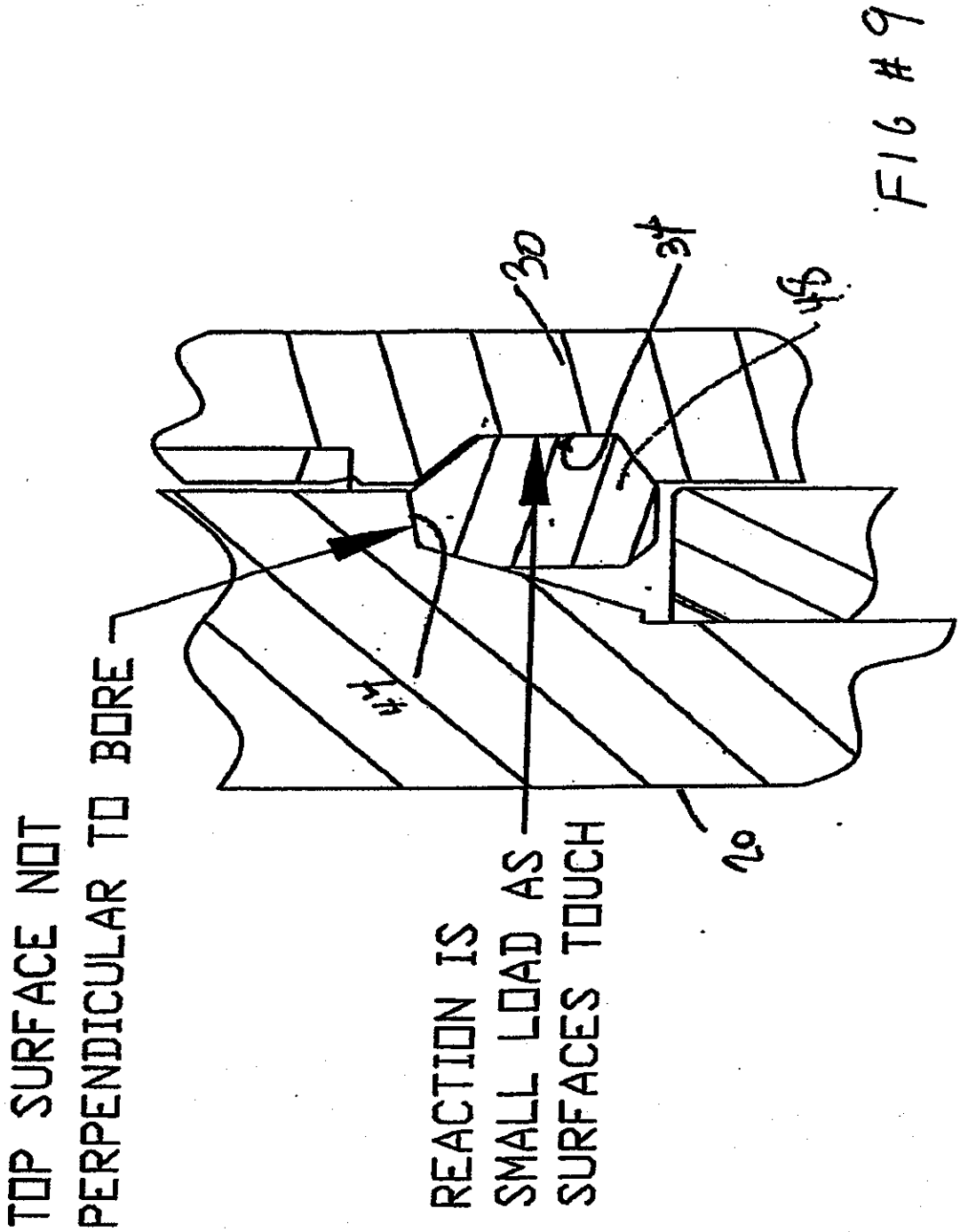

TOP SURFACE NOT
PERPENDICULAR TO BORE
REACTION IS
SMALL LOAD AS
SURFACES TOUCH
30
31
46
44
10

FIG #9

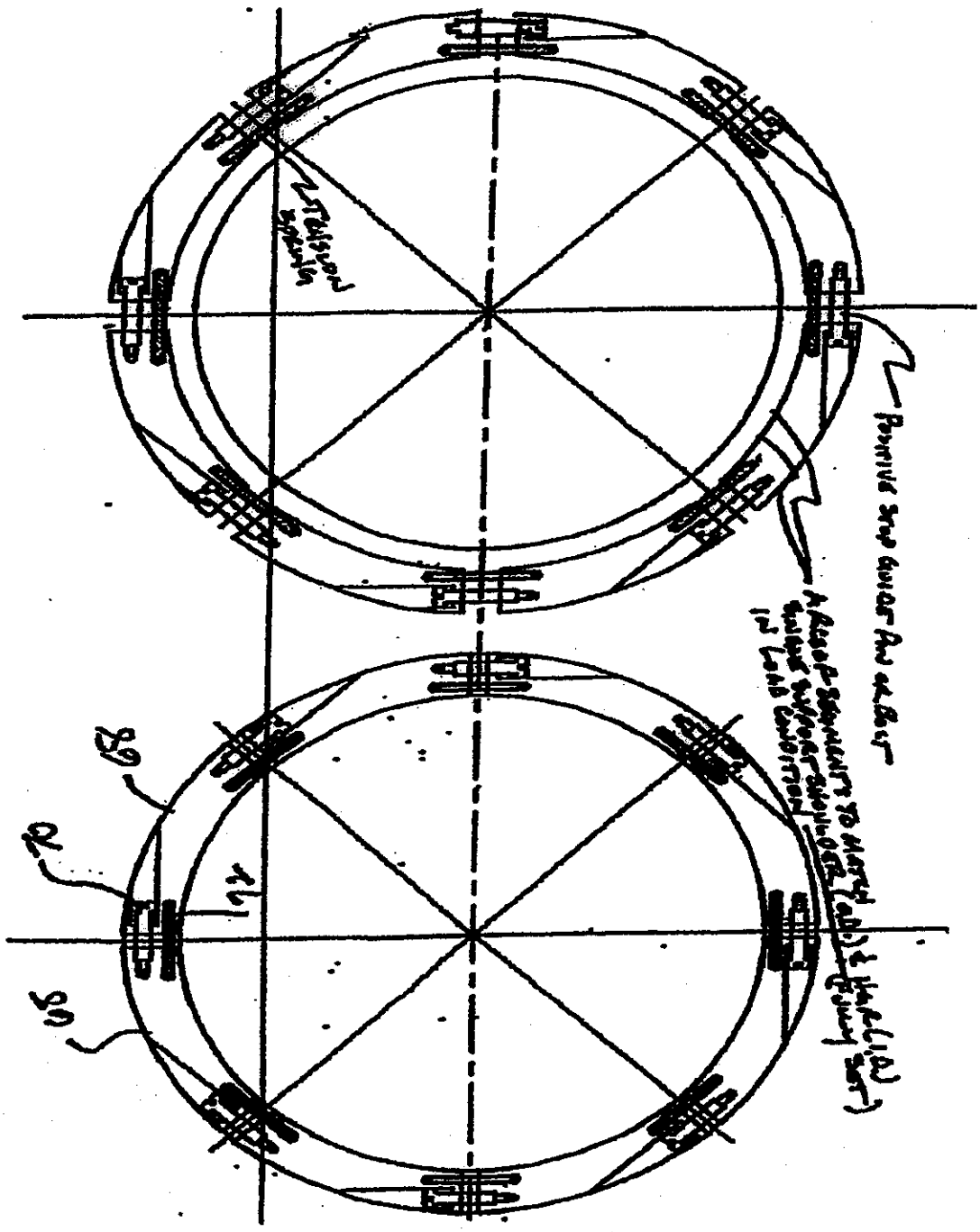


Fig #10

Fig #10a

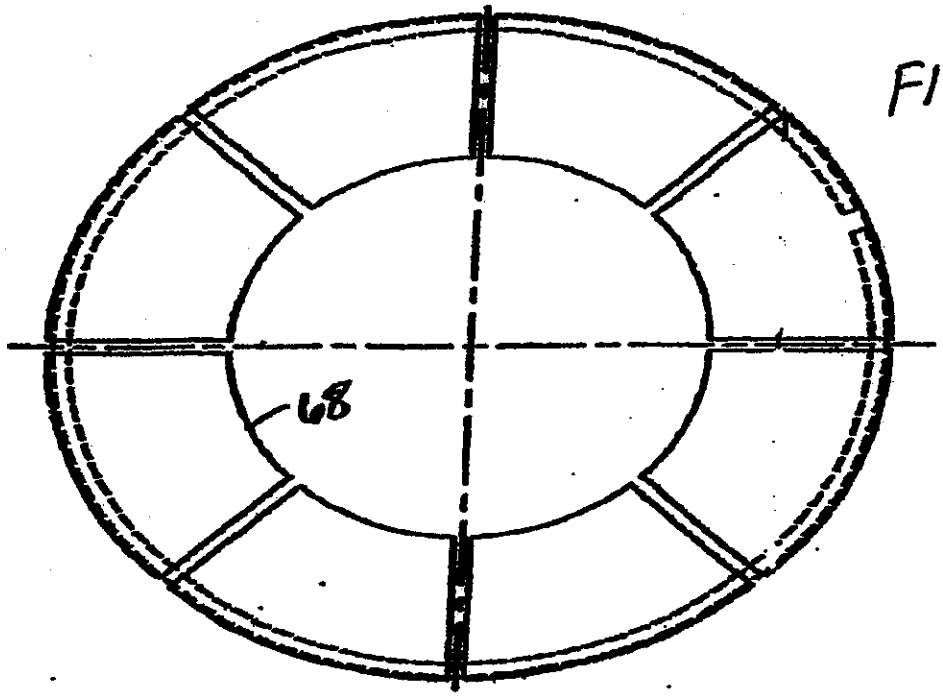


FIG #11

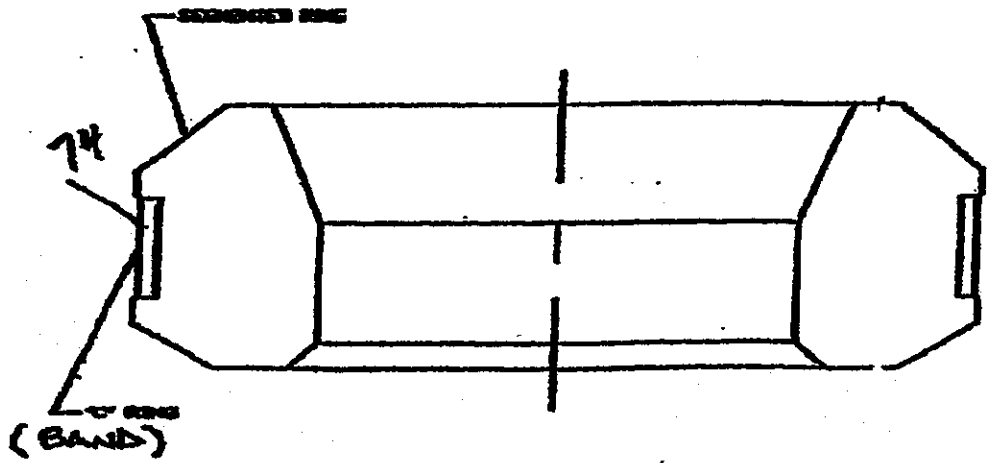


FIG #12

FIG #14

FIG #13

