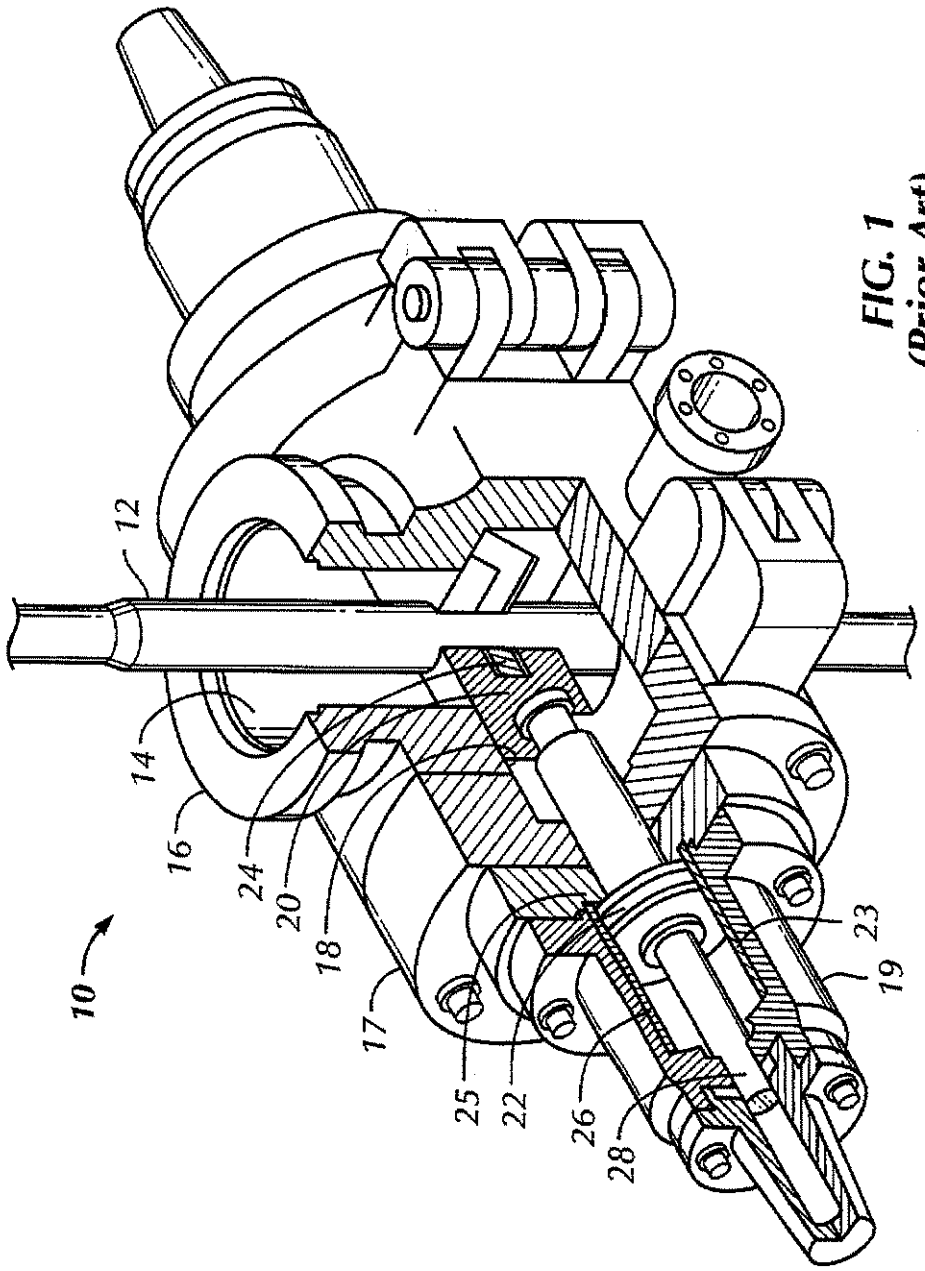


FIG. 1
(Prior Art)

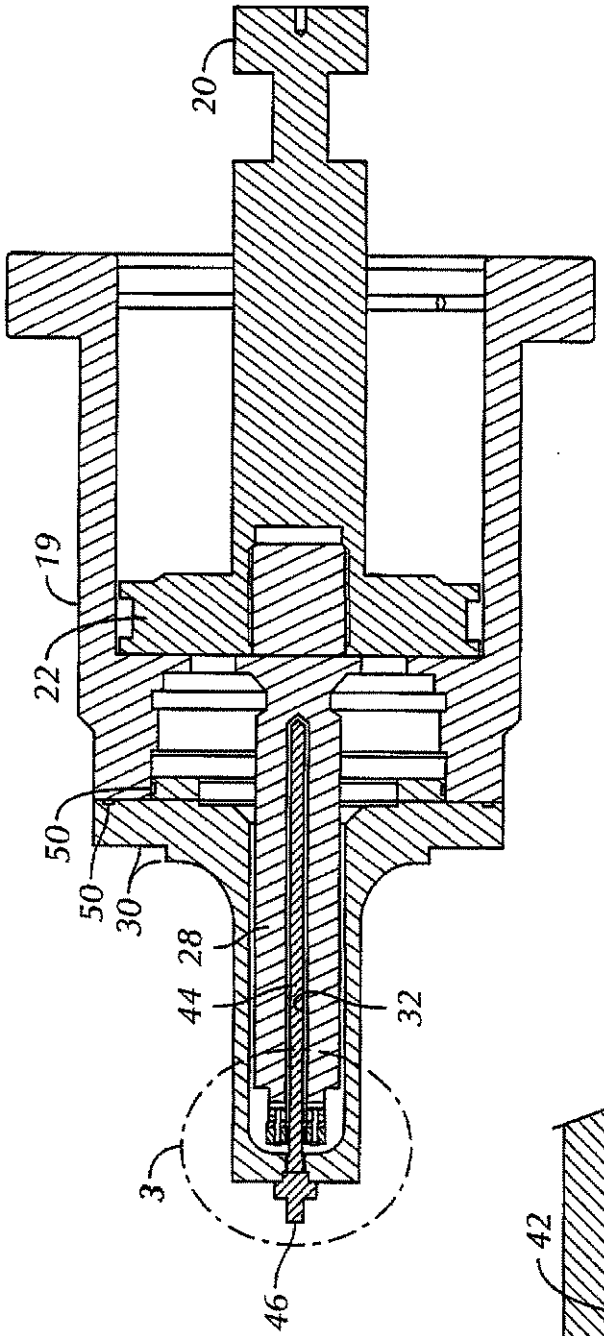


FIG. 2

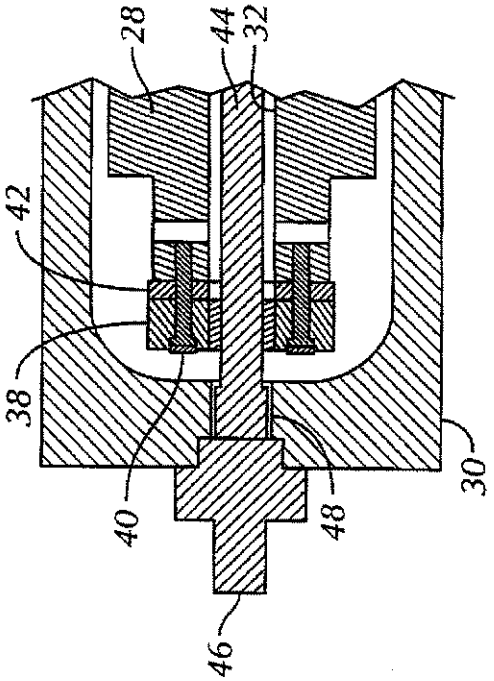


FIG. 3

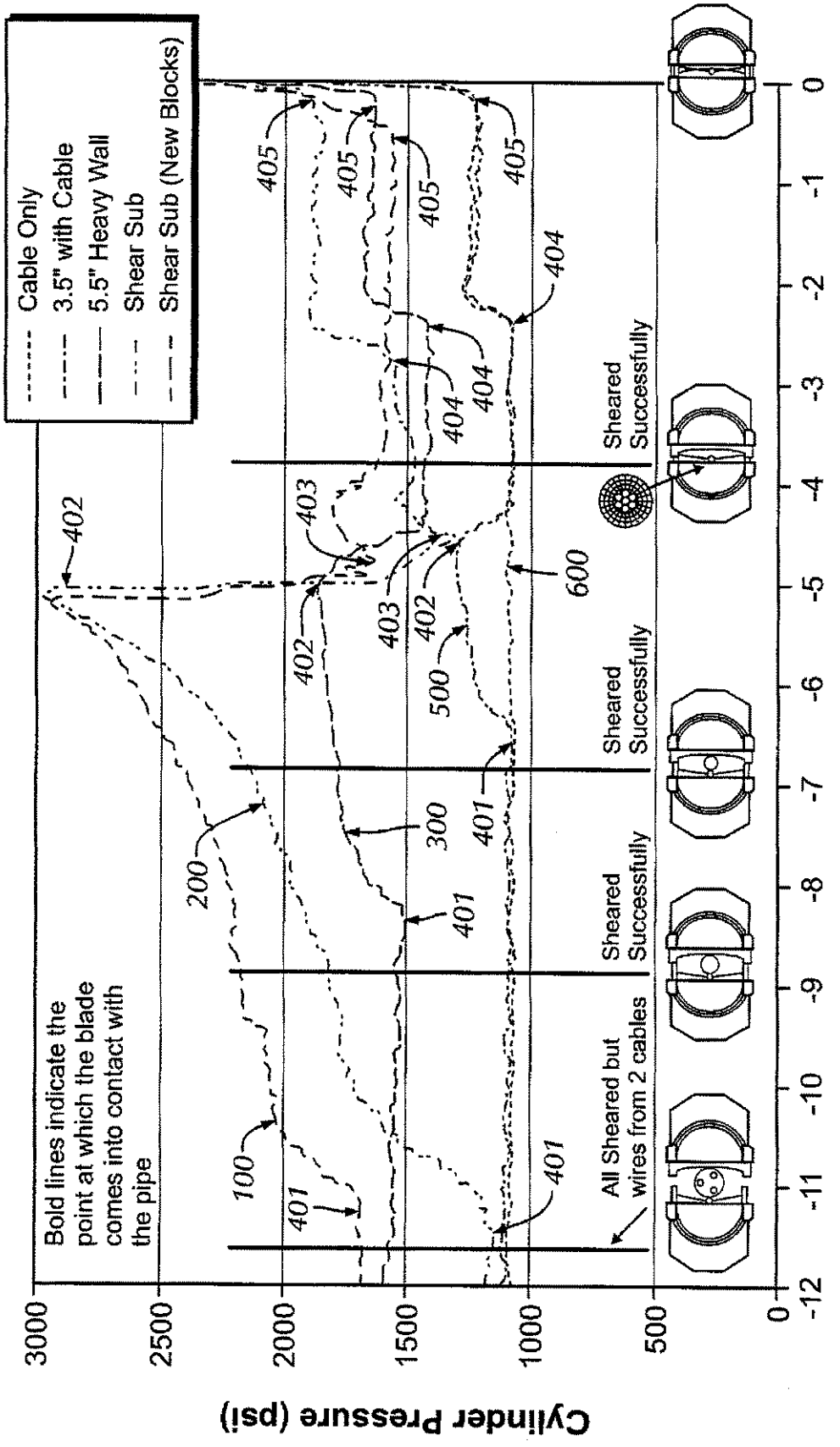

Cable Only
3.5" with Cable
5.5" Heavy Wall
Shear Sub
Shear Sub (New Blocks)
Bold lines indicate the point at which the blade comes into contact with the pipe
All Sheared but wires from 2 cables
Sheared Successfully
Sheared Successfully
Sheared Successfully
100
200
300
401
402
403
404
405
500
600
Cylinder Pressure (psi)
Gap (in)

FIG. 4