Brown et al.

3,658,127

[45] Apr. 19, 1977

[54]	WELL PA	CKER APPARATUS
[75]	Inventors:	Joe R. Brown; William C. Lindsey; Phillip H. Manderscheid, all of Houston, Tex.
[73]	Assignee:	Brown Oil Tools, Inc., Houston, Tex.
[22]	Filed:	Apr. 7, 1975
[21]	Appl. No.	565,385
[52] [51] [58]	Int. Cl. ²	
[56]		References Cited
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[57] ABSTRACT

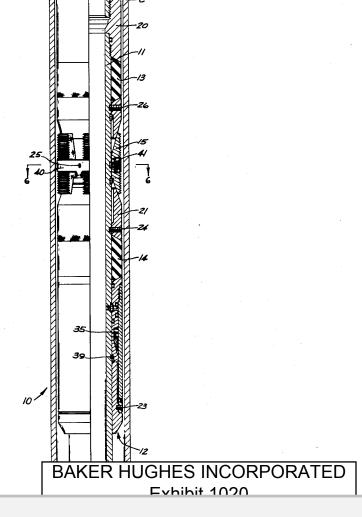
Disclosed is a retrievable, hydraulically set well packer which is locked in set position without need for tubing rotation and may be released from set position by shearing a retrieving link with either a straight pull on the production tubing or by the application of high pressure through the tubing. Dual, opposed cones are employed for retaining the packer slips anchored irrespective of the direction of the pressure differential acting on the packer and without need for an extra sleeve to transmit pressure induced forces to the cones. Compression seals are employed to hold the slips firmly anchored against longitudinal displacement in both directions without reliance on the presence of a pressure differential across the set packer. The seals are employed as two separate assemblies which are positioned above and below the slips to isolate a portion of the pressure induced forces from the retrieving link. A modified form of the invention employs the dual cone, dual seal design on a packer having multiple flow passages.

Primary Examiner—James A. Leppink Attorney, Agent, or Firm—Carlos A. Torres

4/1972

Cochran et al. 166/120







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[57] ABSTRACT

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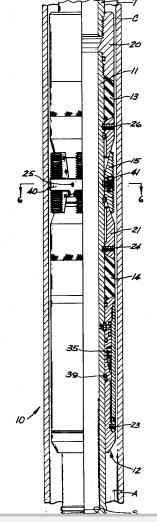
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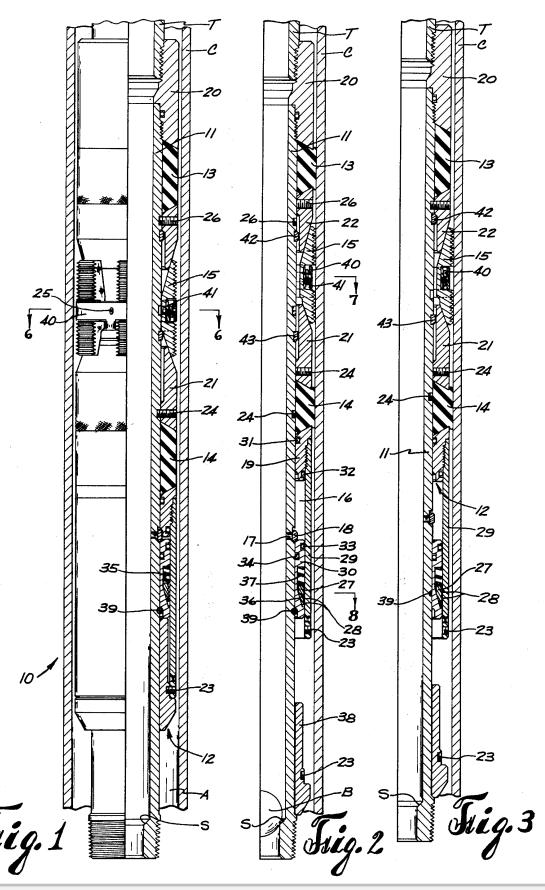
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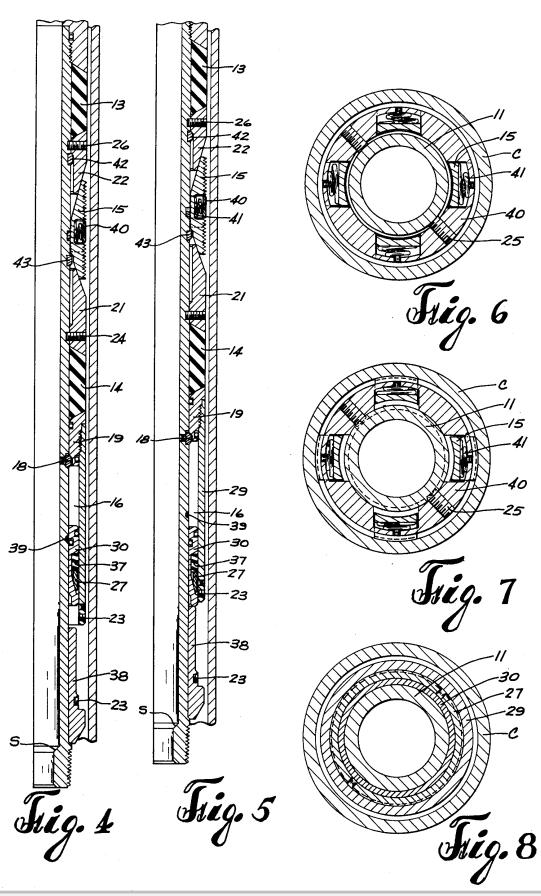


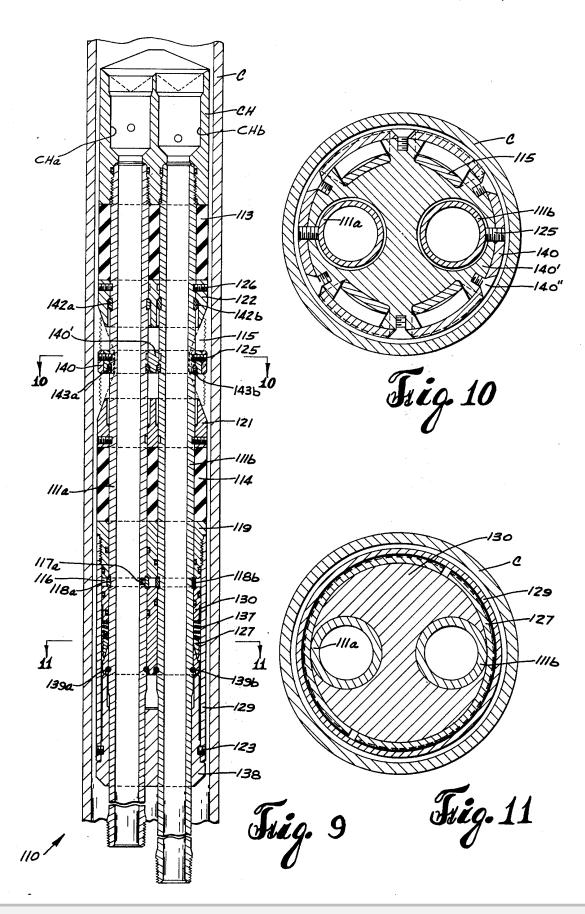












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